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Rabbit Anti-phospho-CD130/gp130 (Ser782) antibody

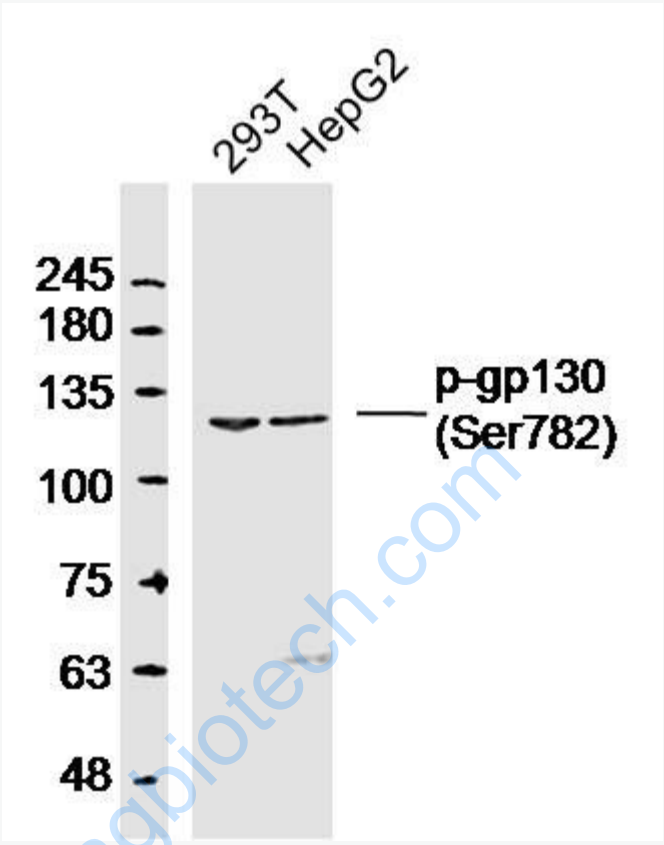
SL10122R

Product Name:	phospho-CD130/gp130 (Ser782)
Chinese Name:	磷酸化gp130抗体
Alias:	gp130 (phospho S782); gp130 (phospho Ser782); p-gp130 (Ser782); Interleukin-6 receptor subunit beta; IL-6R-beta; Interleukin-6 signal transducer; Membrane glycoprotein 130; gp130; CDw130; Oncostatin-M receptor subunit alpha; CD_antigen; CD130; GP130 RAPS; gp130 transducer chain; GP130-RAPS; IL6 ST; IL6R-beta; IL6ST.IL6R-beta; IL6RB_HUMAN; IL-6 receptor subunit beta; IL-6R subunit beta; IL-6RB.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Cellular localization:	The cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human gp130 around the phosphorylation site of Ser782:SE(p-S)TQ
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:	PubMed
Product Detail:	CD130 is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggested a critical role of the gene encoding this protein in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described. **Function:** Signal-transducing molecule. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. Binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. Does not bind IL6. May have a role in embryonic development. The type I OSM receptor is capable of transducing OSM-specific signaling events. **Subunit:** Interacts with INPP5D/SHIP1. Forms heterodimers composed of LIPR and IL6ST (type I OSM receptor). Also forms heterodimers composed of OSMR and IL6ST (type II OSM receptor). Homodimer. The homodimer binds two molecules of herpes virus IL6. Component of a hexamer of two molecules each of IL6, IL6R and IL6ST. Interacts with HCK. **Subcellular Location:** Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. **Tissue Specificity:** Found in all the tissues and cell lines examined. Expression not restricted to IL6 responsive cells. **Post-translational modifications:** Phosphorylation of Ser-782 down-regulates cell surface expression. Heavily N-glycosylated. **Similarity:** Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 5 fibronectin type-III domains. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. **SWISS:** P40189 **Gene ID:** 3572

	Database links: Entrez Gene: 3572Human Entrez Gene: 16195Mouse Entrez Gene: 25205Rat Omim: 600694Human SwissProt: P40189Human SwissProt: Q00560Mouse SwissProt: P40190Rat Unigene: 532082Human Unigene: 706627Human Unigene: 4364Mouse Unigene: 12138Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

293T (human)cell Lysate at 40 ug

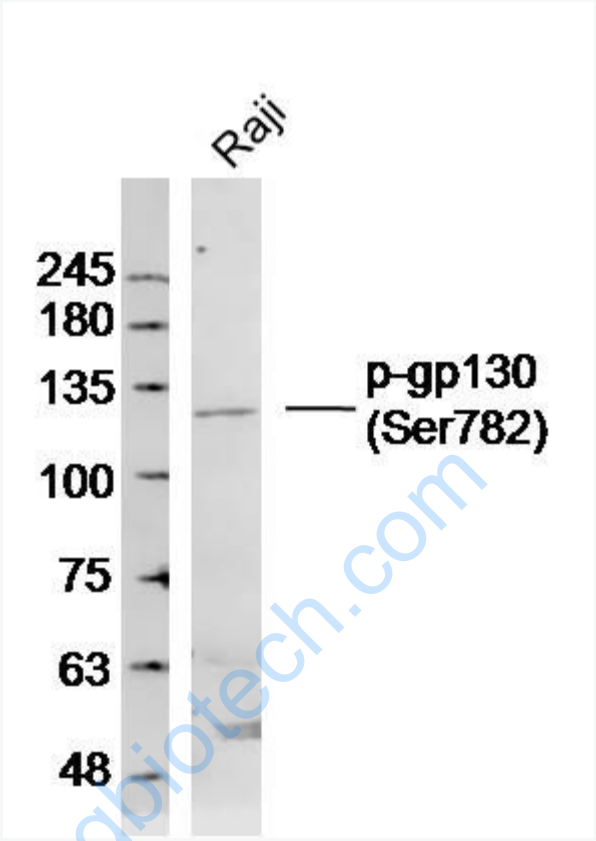
HepG2 (human)cell Lysate at 40 ug

Primary: Anti- p-gp130 (Ser782) (SL10122R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 113kD

Observed band size: 123 kD



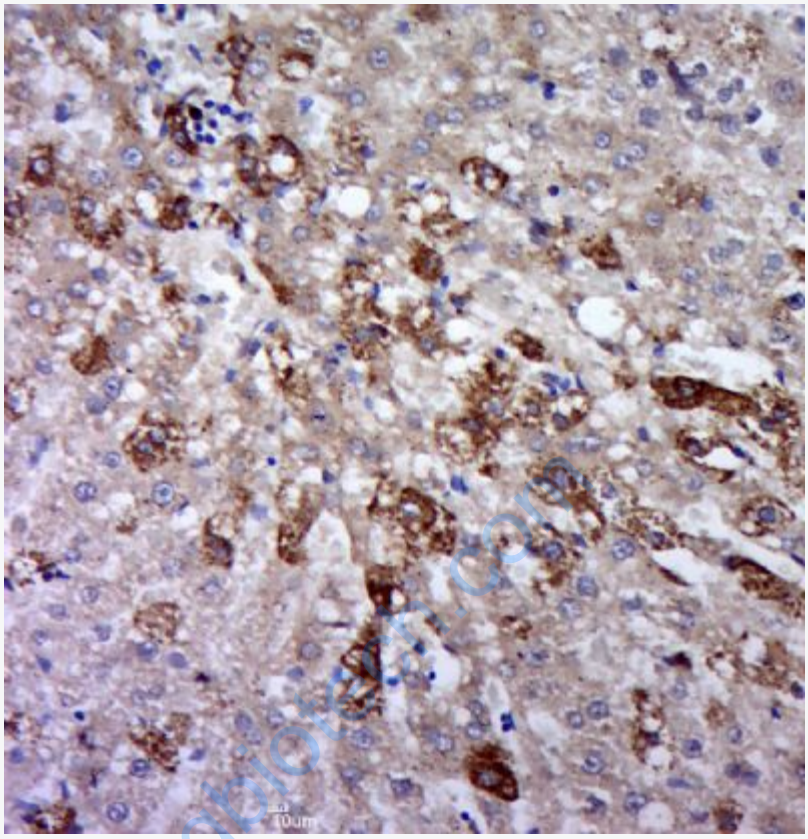
Sample: Raji (human)cell Lysate at 40 ug

Primary: Anti- p-gp130 (Ser782) (SL10122R)at 1/300 dilution

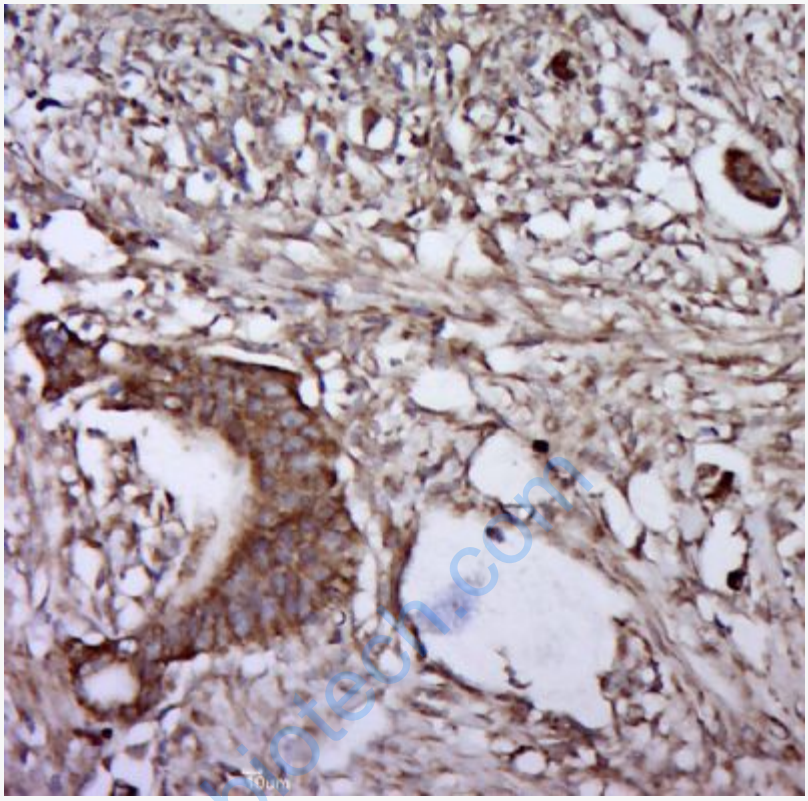
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 113kD

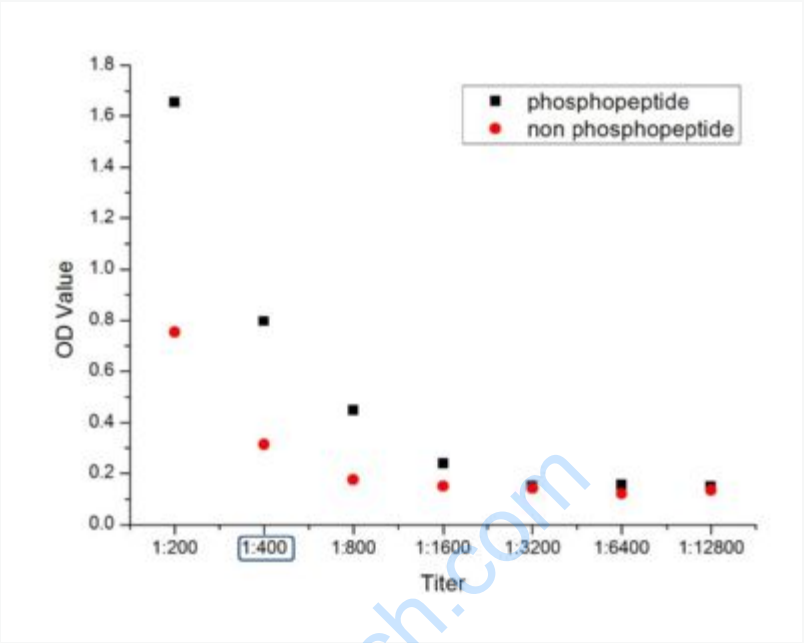
Observed band size: 123 kD



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-gp130 (Ser782)) Polyclonal Antibody, Unconjugated (SL10122R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-gp130 (Ser782)) Polyclonal Antibody, Unconjugated (SL10122R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



phosphopeptide non phosphopeptide