



## Rabbit Anti-Phospho-Tyk2 (Tyr1054 + Tyr1055) antibody

SL3437R

<b>Product Name:</b>	Phospho-Tyk2 (Tyr1054 + Tyr1055)
<b>Chinese Name:</b>	磷酸化非受体酪氨酸蛋白激酶2抗体
<b>Alias:</b>	TYK2 (phospho Y1054 + Y1055); TYK2(Phospho-Tyr1054/1055); Tyk2(phospho Y1054/1055); TYK2 (phospho Tyr1054/1055); p-TYK2 (Tyr1054/1055); JTK 1; JTK1; TYK 2; Non receptor tyrosine protein kinase 2; Non receptor tyrosine protein kinase TYK2; Protein Tyrosine Kinase 2; Tyrosine kinase 2; TYK2_HUMAN; Non-receptor tyrosine-protein kinase TYK2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	134kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human Tyk2 around the phosphorylation site of Tyr1054/1055:HE(p-Y)(p-Y)RV
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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](#)

This gene encodes a member of the tyrosine kinase and, more specifically, the Janus kinases (JAKs) protein families. This protein associates with the cytoplasmic domain of type I and type II cytokine receptors and promulgate cytokine signals by phosphorylating receptor subunits. It is also component of both the type I and type III interferon signaling pathways. As such, it may play a role in anti-viral immunity. A mutation in this gene has been associated with hyperimmunoglobulin E syndrome (HIES) - a primary immunodeficiency characterized by elevated serum immunoglobulin E. [provided by RefSeq].

**Function:**

Probably involved in intracellular signal transduction by being involved in the initiation of type I IFN signaling. Phosphorylates the interferon-alpha/beta receptor alpha chain.

**Subunit:**

Interacts with JAKMIP1.

**Tissue Specificity:**

Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.

**DISEASE:**

Defects in TYK2 are the cause of protein-tyrosine kinase 2 deficiency (TYK2 deficiency) [MIM:611521]; also known as autosomal recessive hyper-IgE syndrome (HIES) with atypical mycobacteriosis. TYK2 deficiency consists of a primary immunodeficiency characterized by recurrent skin abscesses, pneumonia, and highly elevated serum IgE.

**Similarity:**

Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily. Contains 1 FERM domain. Contains 2 protein kinase domains. Contains 1 SH2 domain.

**SWISS:**

P29597

**Gene ID:**

7297

**Database links:**

[Entrez Gene: 7297](#)Human

[Entrez Gene: 54721](#)Mouse

[Entrez Gene: 100361294](#)Rat

**Product Detail:**

[Omid: 176941](#)Human

[SwissProt: P29597](#)Human

[SwissProt: Q9R117](#)Mouse

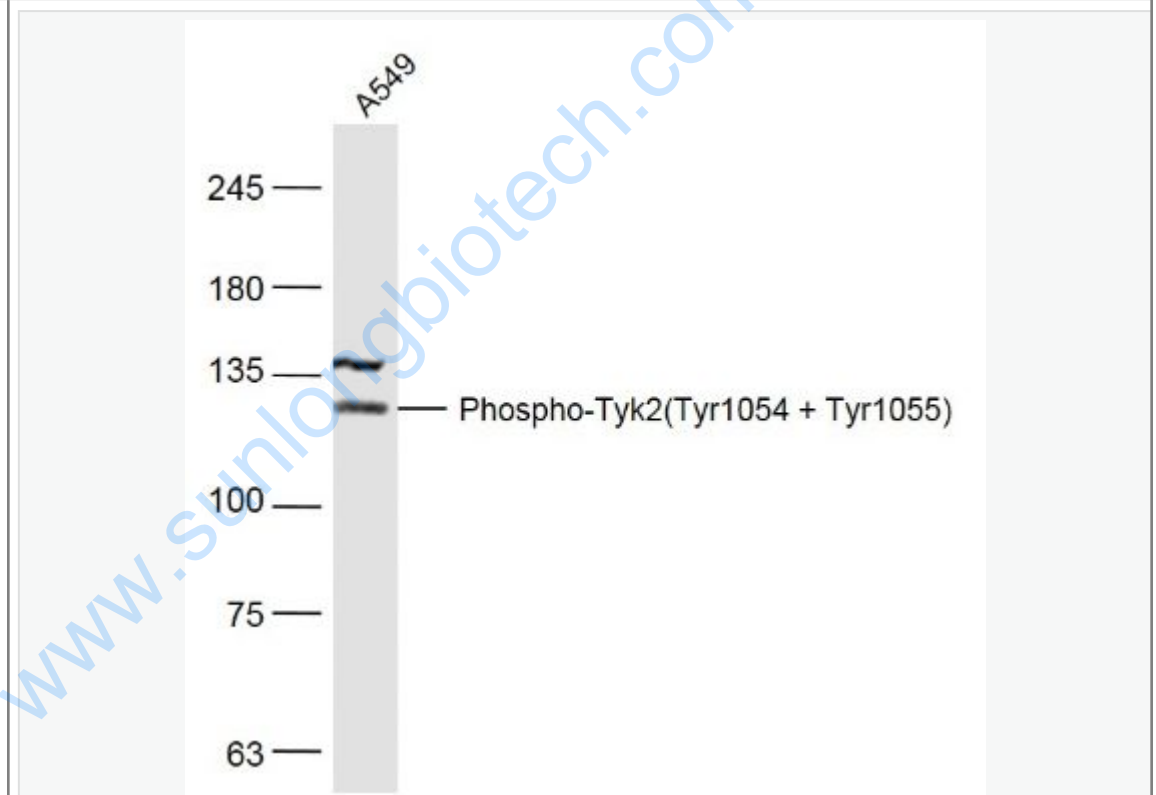
[Unigene: 75516](#)Human

[Unigene: 20249](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Sample:

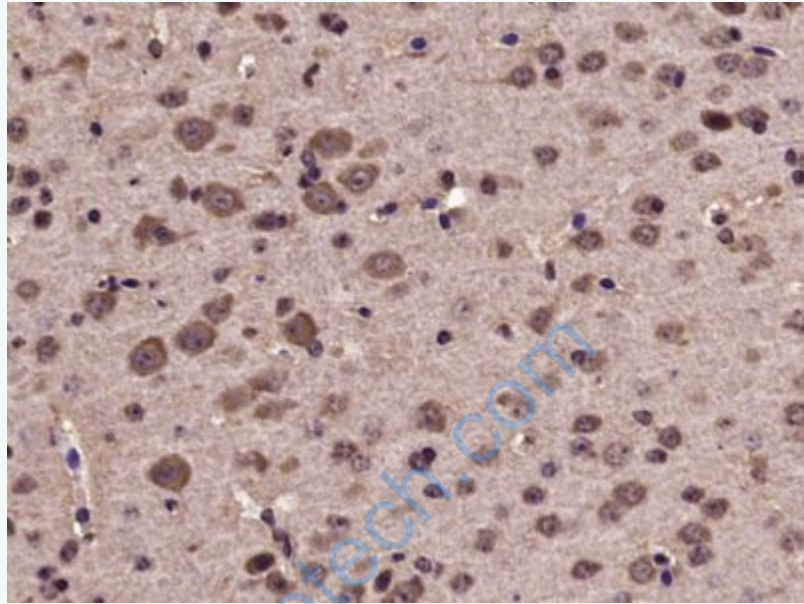
A549(Human) Cell Lysate at 30 ug

Primary: Anti-Phospho-Tyk2(Tyr1054 + Tyr1055) (SL3437R) at 1/300 dilution

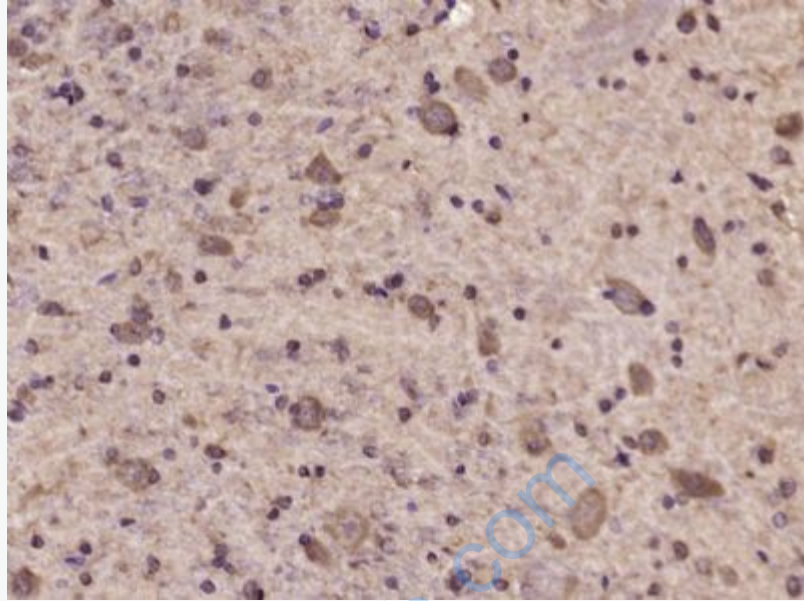
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 134 kD

Observed band size: 134 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Phospho-Tyk2(Tyr1054 + Tyr1055)) Polyclonal Antibody, Unconjugated (SL3437R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Phospho-Tyk2(Tyr1054 + Tyr1055)) Polyclonal Antibody, Unconjugated (SL3437R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.