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Rabbit Anti-Eph receptor A5 antibody

SL6599R

Product Name:	Eph receptor A5
Chinese Name:	酪氨酸蛋白激酶A5受体抗体
Alias:	
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,Guinea Pig,
Applications:	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.
Molecular weight:	114kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EphA5/Eph receptor A5:451-550/1037<Extracellular>
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:	EphA5, also known as Ehk1, Bsk, Cek7, Hek7, and Rek7, is a member of the Eph receptor family, which binds members of the Ephrin ligand family. Two classes of receptors exist, designated A and B, that have an extracellular domain made up of a globular domain, a cysteine-rich domain, and two fibronectin type III domains, followed by the transmembrane region and cytoplasmic region. The cytoplasmic region is a juxtamembrane region with two tyrosines, the major autophosphorylation sites, along

with a kinase domain, and a conserved sterile alpha motif (SAM) in the C-terminus, the latter including one conserved tyrosine.

Subunit:
Heterotetramer upon binding of the ligand. The heterotetramer is composed of an ephrin dimer and a receptor dimer. Oligomerization is probably required to induce biological responses.

Subcellular Location:
Cell membrane; Single-pass type I membrane protein. Cell projection, axon. Cell projection, dendrite.

Tissue Specificity:
Almost exclusively expressed in the nervous system in cortical neurons, cerebellar Purkinje cells and pyramidal neurons within the cortex and hippocampus. Display an increasing gradient of expression from the forebrain to hindbrain and spinal cord.

Similarity:
Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.
Contains 1 Eph LBD (Eph ligand-binding) domain.
Contains 2 fibronectin type-III domains.
Contains 1 protein kinase domain.
Contains 1 SAM (sterile alpha motif) domain.

SWISS:
P54756

Gene ID:
2044

Database links:

Entrez Gene: 2044 Human

Entrez Gene: 13839 Mouse

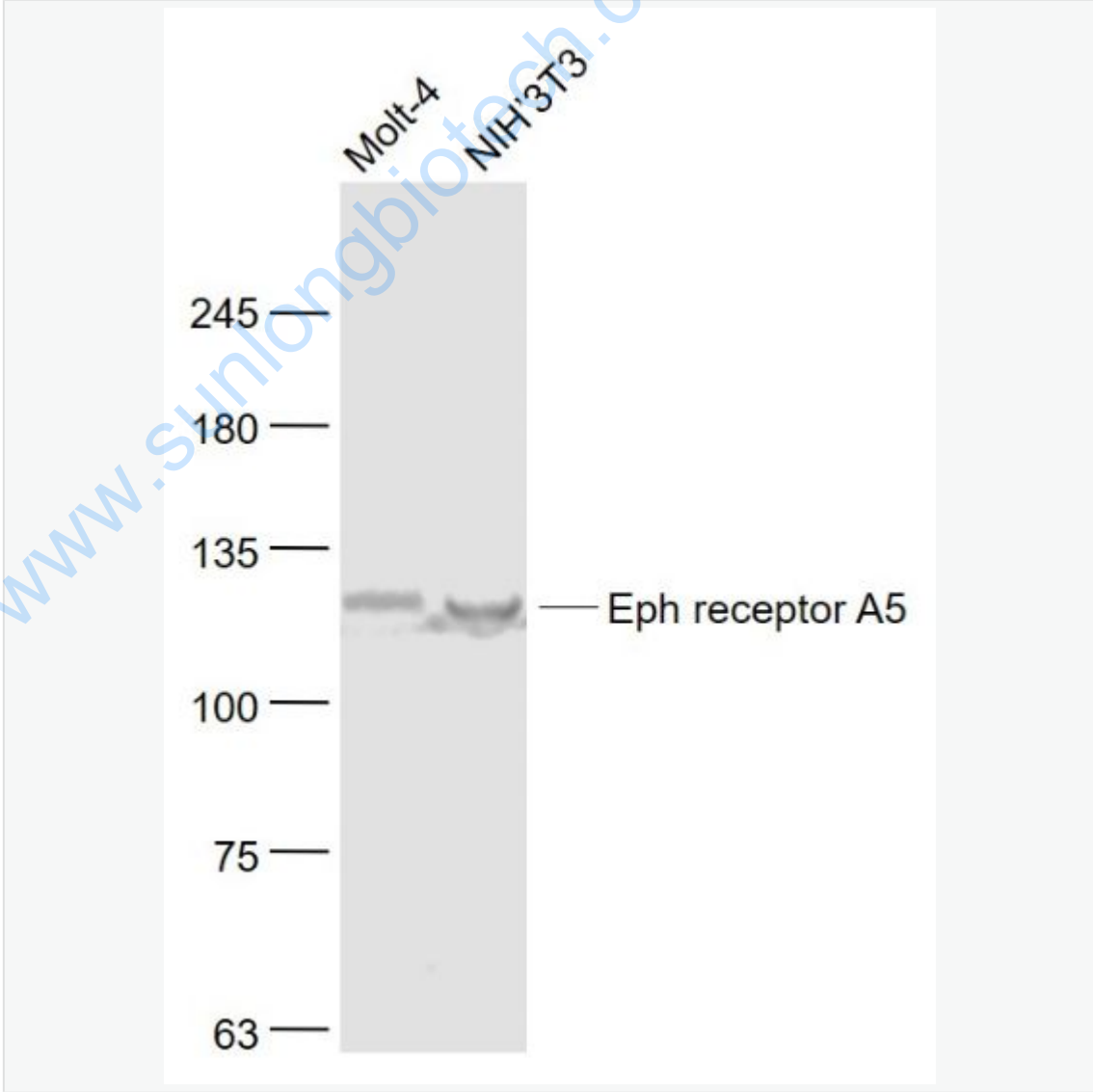
Entrez Gene: 79208 Rat

Omim: 600004 Human

SwissProt: P54755 Chicken

SwissProt: P54756 Human

SwissProt: Q60629 Mouse

	SwissProt: P54757 Rat Unigene: 654492 Human Unigene: 137991 Mouse Unigene: 438006 Mouse Unigene: 24569 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	

	Sample: MOLT-4(Human) Cell Lysate at 30 ug NIH/3T3(Mouse) Cell Lysate at 30 ug Primary: Anti- Eph receptor A5 (SL6599R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 114 kD Observed band size: 114 kD