

## EPHA2/5 (Phospho-Tyr594) Antibody

Catalog No: #11833

Package Size: #11833-1 50ul #11833-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

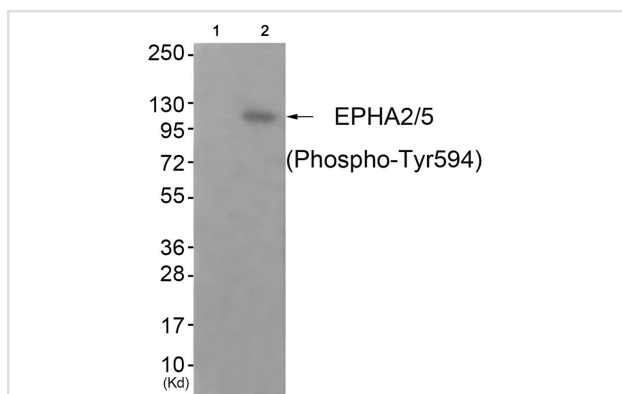
## Description

Product Name	EPHA2/5 (Phospho-Tyr594) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The Antibody detects endogenous levels of EPHA2 only when phosphorylated at tyrosine 594.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 594 (H-T-Y(p)-E-D) derived from Human EPHA2/5.
Target Name	EPHA2/5
Modification	Phospho
Other Names	ARCC2; ECK; EPHA2;
Accession No.	Swiss-Prot#: P29317/P54756; NCBI Gene#: 1969/2044; NCBI Protein#: NP_004422.2.
Uniprot	P29317
GeneID	1969;
SDS-PAGE MW	110kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from JK cells (Lane 2), using EPHA2/5 (Phospho-Tyr594) Antibody #11833. The lane on the left is treated with antigen-specific peptide.

## Background

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Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Activated by the ligand ephrin-A1/EFNA1 regulates migration, integrin-mediated adhesion, proliferation and differentiation of cells. Regulates cell adhesion and differentiation through DSG1/desmoglein-1 and inhibition of the ERK1/ERK2 (MAPK3/MAPK1, respectively) signaling pathway.

Lindberg R.A., Mol. Cell. Biol. 10:6316-6324(1990).

Gregory S.G., Nature 441:315-321(2006).

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Note: This product is for in vitro research use only