

Immunotag™ Phospho-EPHA2/3/4(Tyr588/596) Antibody

Antibody Specification	
Catalog No.	ITA0009
Product Description	Immunotag™ Phospho-EPHA2/3/4(Tyr588/596) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-EPHA2/3/4(Tyr588/596)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human EPHA2/3/4 around the phosphorylation site of Tyrosine 588 and 596
Specificity	Phospho-EPHA2/3/4(Tyr588/596) Antibody detects endogenous levels of EPHA2 and 3 only when phosphorylated at Tyrosine 588 and 596
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	EPHA2
Accession No.	P29317/P29320/P54764

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Alternate Names	ARCC2; AW545284; CTPA; CTPP1; CTRCT6; EC 2.7.10.1; Eck; Eph receptor A2; EPHA2; EPHA2_HUMAN; Ephrin receptor; Ephrin receptor EphA2; Ephrin type A receptor 2; Ephrin type-A receptor 2; Epithelial cell kinase; Epithelial cell receptor protein tyrosine kinase; Myk 2; Myk2; Sek 2; Sek2; Soluble EPHA2 variant 1; Tyrosine protein kinase receptor ECK; Tyrosine-protein kinase receptor ECK; Tyrosine-protein kinase receptor MPK-5; Tyrosine-protein kinase receptor SEK-2; AW492086; Cek4; EC 2.7.10.1; EK4; End3; Eph receptor A3; EPH-like kinase 4; EPH-like tyrosine kinase 1; EPHA3; EPHA3_HUMAN; Ephrin receptor EphA3; Ephrin type-A receptor 3; ETK 1; ETK; ETK1; HEK 4; HEK; HEK4; Human embryo kinase 1; Human embryo kinase; Mek4; MGC109882; Receptor tyrosine kinase HEK; Testicular tissue protein Li 64; Tyro 4; Tyro4; TYRO4 protein tyrosine kinase; Tyrosine protein kinase receptor ETK 1; Tyrosine-protein kinase receptor ETK1; Tyrosine-protein kinase TYRO4; Cek 8; CEK8; EK8; eph receptor a4; EPH-like kinase 8; EPHA4; EPHA4_HUMAN; Ephrin type-A receptor 4; HEK 8; hEK8; Receptor protein-tyrosine kinase HEK8; Sek 1; SEK; TYRO 1 protein tyrosine kinase; TYRO1; Tyrosine-protein kinase receptor SEK; Tyrosine-protein kinase TYRO1;
Description	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. May also participate in UV radiation-induced apoptosis and have a ligand-independent stimulatory effect on chemotactic cell migration. During development, may function in distinctive aspects of pattern formation and subsequently in development of several fetal tissues. Involved for instance in angiogenesis, in early hindbrain development and epithelial proliferation and branching morphogenesis during mammary gland development. Engaged by the ligand ephrin-A5/EFNA5 may regulate lens fiber cells shape and interactions and be important for lens transparency development and maintenance. With ephrin-A2/EFNA2 may play a role in bone remodeling through regulation of osteoclastogenesis and osteoblastogenesis.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	130kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.