Anti-EPHA3/EPHA4/EPHA5 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104272

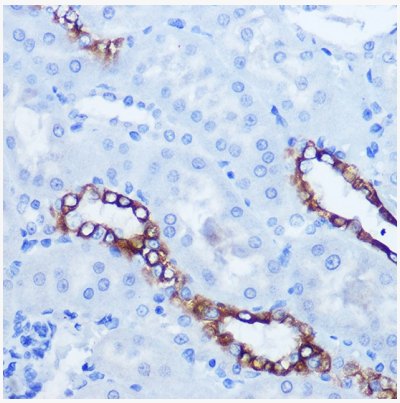
Product Information

Application	IHC-P, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	IHC-P 1:50~1:200; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 700-800 of human EPHA3/EPHA4/EPHA5 (NP_005224.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-EPHA3/EPHA4/EPHA5 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

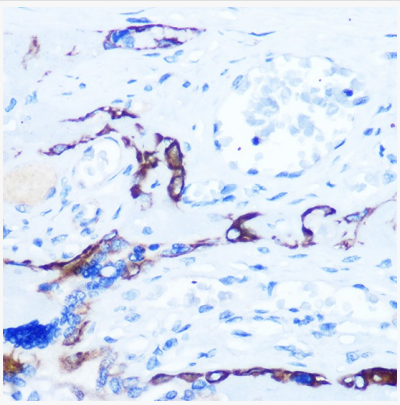
Protein Information

Synonyms	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; Brain-specific kinase; bsk; CEK 7; Eck like sequence 1; EHK 1; EHK-1; EK7; Els 1; EPH homology kinase 1; EPH-like kinase 7; EPHA5; EPHA5_HUMAN; Ephrin type A receptor 5; Ephrin type-A receptor 5; HEK 7; hEK7; Receptor protein tyrosine kinase HEK 7; Rek 7; Tyrosine protein kinase receptor EHK 1.
Calculated MW	Observed MW: Refer to figures
Uniprot ID	P29320, P54764, P54756
Gene ID	2042, 2043, 2044
Background	Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin 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. Highly promiscuous for ephrin-A ligands it binds preferentially EFNA5. Upon activation by EFNA5 regulates cell-cell adhesion, cytoskeletal organization and cell migration. Plays a role in cardiac cells migration and differentiation and regulates the formation of the atrioventricular canal and septum during development probably through activation by EFNA1. Involved in the retinotectal mapping of neurons. May also control the segregation but not the guidance of motor and sensory axons during neuromuscular

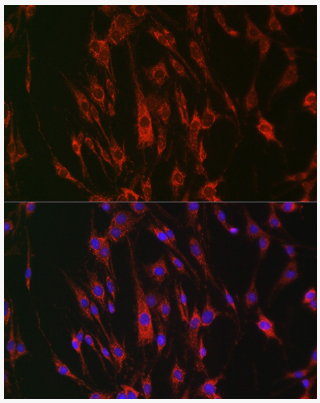
Validation Images



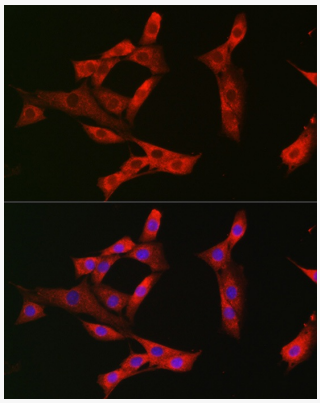
Immunohistochemistry analysis of paraffin-embedded Rat kidney using EPHA3/EPHA4/EPHA5 pAb (P104272) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta using EPHA3/EPHA4/EPHA5 pAb (P104272) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of C6 cells using EPHA3/EPHA4/EPHA5 pAb (P104272) at dilution of 1:100 (40× lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using EPHA3/EPHA4/EPHA5 pAb (P104272) at dilution of 1:100 (40× lens). Blue: DAPI for nuclear staining.