

TEK Rabbit pAb

Catalog No.	A7222	Category	Polyclonal Antibodies
Applications	WB, IHC, IF	Observed MW	126kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	109kDa/121kDa/125kDa

Immunogen Information

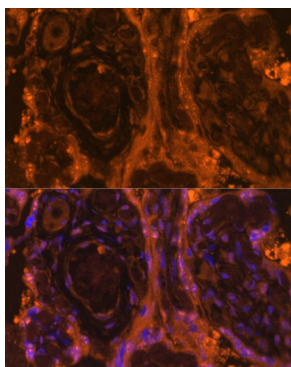
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 500-750 of human TEK (NP_000450.2).
Gene ID	7010
Swiss prot	Q02763
Synonyms	TEK;CD202B;GLC3E;TIE-2;TIE2;VMCM;VMCM1;Tie2

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

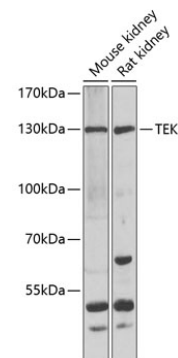
This gene encodes a receptor that belongs to the protein tyrosine kinase Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Mutations in this gene are associated with inherited venous malformations of the skin and mucous membranes. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.



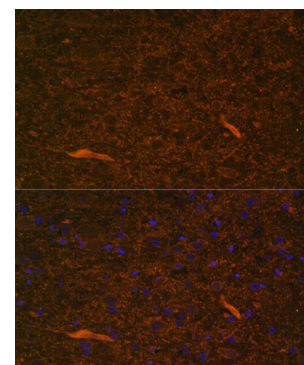
Immunofluorescence analysis of human placenta using TEK antibody (A7222) at dilution of 1:100. Blue: DAPI for nuclear staining.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:100
IF	1:50 - 1:100



Western blot analysis of extracts of various cell lines, using TEK antibody (A7222) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunofluorescence analysis of rat brain using TEK antibody (A7222) at dilution of 1:100. Blue: DAPI for nuclear staining.