

Anti-Phospho-CD31 (Tyr713) Polyclonal Antibody

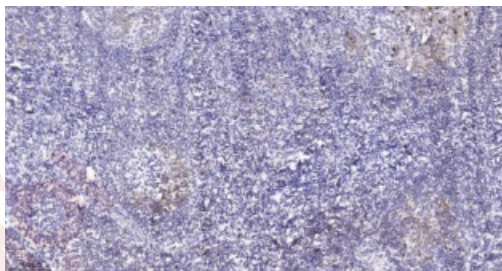
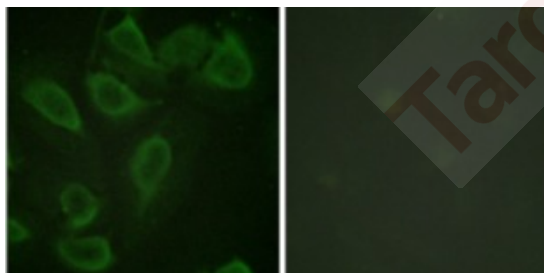
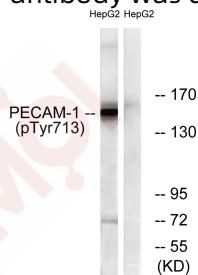
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Actual: 150 kDa.
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

Verified Activity:

1. Western blot analysis of lysates from HepG2 cells. The lane on the right is blocked with the phospho peptide.
2. Immunofluorescence analysis of HeLa cells. The picture on the right is blocked with the phospho peptide.
3. Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4°C overnight). 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).



Application:	IF,IHC,WB
Recommended	WB: 1:500-2000; IHC: 1:100-300; IF: 1:200-1000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized phosphopeptide: human PECAM-1 around the phosphorylation site of Tyr713

Antigen Species: human

Uniprot ID: P16284

Synonyms: CD31 (p-Tyr713);CD31 (p-Y713);p-CD31 (Tyr713);p-CD31 (Y713)

Research Background

Induces susceptibility to atherosclerosis By similarity. Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-690 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also essential for the LBRC membrane to be targeted around migrating leukocytes. Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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