Datasheet for ABIN955208

anti-TIE1 antibody (AA 22-748)

1 Image

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Overview

Quantity:	0.1 mg
Target:	TIE1
Binding Specificity:	AA 22-748
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIE1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Highly pure (>95%) recombinant Mouse soluble TIE-1 (Ser22-Ala748) derived from Insect cells.
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Protein A Chromatography

Target Details

Target:	TIE1
Alternative Name:	TIE1 (TIE1 Products)
Background:	TIE-1 (tyrosine kinase with Ig and EGF homology domains 1) and TIE-2/Tek comprise a receptor tyrosine kinase (RTK) subfamily with unique structural characteristics: two

Target Details

	immunoglobulin-like domains flanking three epidermal growth factor (EGF)-like domains and followed by three fibronectin type III-like repeats in the extracellular region and a split tyrosine kinase domain in the cytoplasmic region. These receptors are expressed primarily on endothelial and hematopoietic progenitor cells and play critical roles in angiogenesis, vasculogenesis and hematopoiesis.Synonyms: TIE, Tie-1, Tyrosine-protein kinase receptor Tie-1
Gene ID:	10090
Pathways:	RTK Signaling

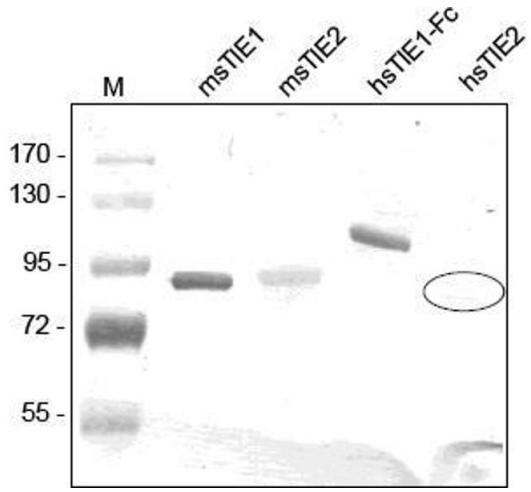
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Reconstitution:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS, pH 7.2
Storage:	4 °C/-20 °C
Storage Comment:	The lyophilized antibody is stable at RT for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 °C. Frozen aliquots are stable for at least 6 months when stored at -20 °C. Avoid repeated freeze-thaw cycles!
Expiry Date:	6 months

Images



Western Blotting

Image 1. Western analysis of recombinant Human and Mouse sTIE-1 and sTIE-2 using a Polyclonal antibody directed against Mouse recombinant sTIE-1. There is a strong cross reactivity with Human sTIE-1 but only a weak one for Human and Mouse sTIE-2 visible.