10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Angiopoietin-4 Antibody

Catalog # AP53733

Product Information

Application	WB, IF/IC
Primary Accession	Q9Y264
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56849

Additional Information

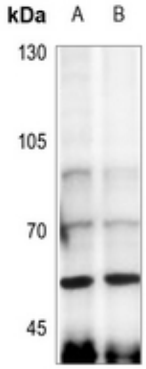
Gene ID	51378
Other Names	ANG3; ANG4; Angiopoietin-4; ANG-4; Angiopoietin-3; ANG-3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Angiopoietin-4. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

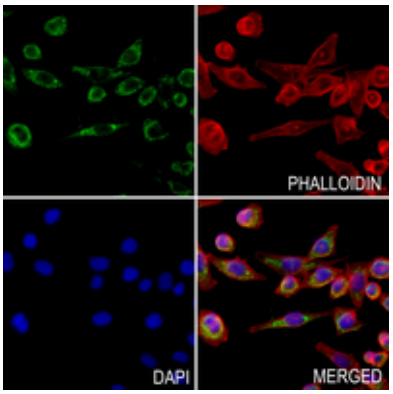
Name	ANGPT4
Synonyms	ANG3, ANG4
Function	Binds to TEK/TIE2, modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2. Promotes endothelial cell survival, migration and angiogenesis.
Cellular Location	Secreted.
Tissue Location	Highly expressed in the lung with much lower levels found in other tissues

Images

Western blot analysis of Angiopoietin-4 expression in



A549 (A), H1792 (B) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 57 kD)



Immunofluorescent analysis of Angiopoietin-4 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.