

ARG43265 anti-Angiopoietin 4 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Angiopoietin 4
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Angiopoietin 4
Species	Human
Immunogen	Synthetic peptide derived from Human Angiopoietin 4.
Conjugation	Un-conjugated
Alternate Names	AGP4; Angiopoietin-3; Angiopoietin-4; ANG4; ANG-3; ANG-4

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 55 kDa	

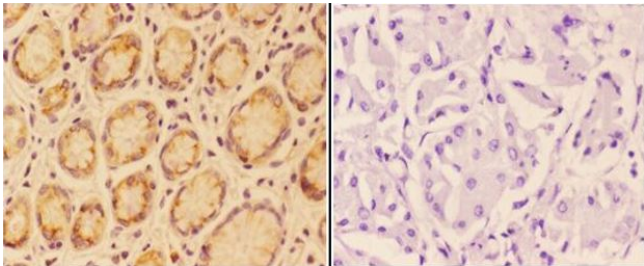
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Purity	> 95% (by SDS-PAGE).
Buffer	PBS (pH 7.2), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

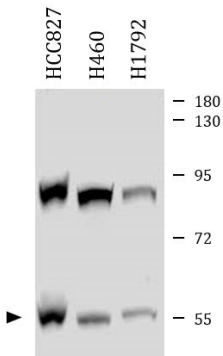
Gene Symbol	ANGPT4
Gene Full Name	angiopoietin 4
Background	Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The mechanism by which they contribute to angiogenesis is thought to involve regulation of endothelial cell interactions with supporting perivascular cells. The protein encoded by this gene functions as an agonist and is an angiopoietin. [provided by RefSeq, Jul 2008]
Function	Binds to TEK/TIE2, modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2. Promotes endothelial cell survival, migration and angiogenesis. [UniProt]
Calculated Mw	57 kDa
Cellular Localization	Secreted. [UniProt]

Images



ARG43265 anti-Angiopoietin 4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach carcinoma tissue stained with ARG43265 anti-Angiopoietin 4 antibody at 1:50 dilution (left). Negative control: Using PBS instead of primary antibody (right).



ARG43265 anti-Angiopoietin 4 antibody WB image

Western blot: 40 µg of HCC827, H460 and H1792 whole cell lysates stained with ARG43265 anti-Angiopoietin 4 antibody at 1:500 dilution.