

Datasheet for ABIN1385496

anti-CLEC14A antibody (AA 260-310)



3 Images



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Quantity:	100 μL
Target:	CLEC14A
Binding Specificity:	AA 260-310
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLEC14A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	KLH conjugated synthetic peptide derived from human EGFR5/CLEC14A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.
Target Details	
Target:	CLEC14A
Alternative Name:	EGFR5 (CLEC14A Products)
Background:	Synonyms: CEG1, EGFR-5, C14orf27, C-type lectin domain family 14 member A, Epidermal

growth factor receptor 5, CLEC14A, EGFR5, UNQ236/PRO269
Background: This gene encodes a member of the C-type lectin/C-type lectin-like domain
(CTL/CTLD) superfamily. Members of this family share a common protein fold and have
diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in
inflammation and immune response. This family member plays a role in cell-cell adhesion and
angiogenesis. It functions in filopodia formation, cell migration and tube formation. Due to its
presence at higher levels in tumor endothelium than in normal tissue endothelium, it is

Gene ID: 161198

UniProt: Q86T13

Application Details

Application Notes: WB 1:300-5000

IHC-P 1:200-400

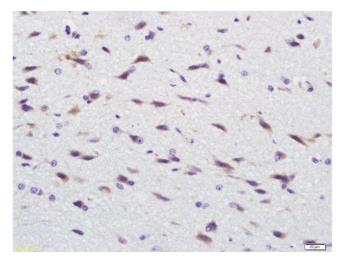
IF(IHC-P) 1:50-200

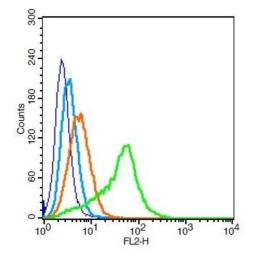
Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

considered to be a candidate for tumor vascular targeting.





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded EGFR5 Polyclonal Antibody, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with EGFR5 Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded rat lung tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-EGFR5 Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining

Flow Cytometry

Image 3. Human 293T cells probed with EGFR5 Polyclonal Antibody, Unconjugated (green) at 1:100 for 30 minutes followed by a PE conjugated secondary antibody compared to unstained cells (blue), secondary only (light blue), and isotype control (orange).

♦ Validation report #100004 for Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))



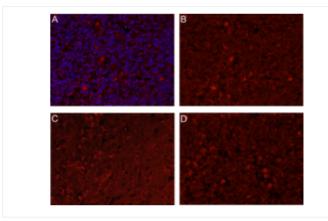
Successfully validated (Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)))

by Memorial Sloan-Kettering Cancer Center, Parada lab

Report Number: 100004

Date: Nov 23 2015

Target:	CLEC14A
Method validated:	Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))
Positive Control:	Tumor cell transplanted mouse brain was dissected
Primary Antibody:	ABIN1385496
Secondary Antibody:	Donkey-anti-Rabbit-Cy3
Isotype:	rabbit IgG
Protocol:	 Tumor cell transplanted mouse brain was dissected, fixed in 4% PFA for overnight, saturated in 30% sucrose, mounted in Cryo, and sectioned into 12µm sections. Immunostaining for Cryo Sections: Dry slides at 50-55°C for 15-30 min (or RT for 30min) Wash three times with PBS 5min (shake gently) Block with 10% Normal Donkey Serum (NDS) at RM for 1hour Incubate with primary antibody at 4°C overnight (Prepared in 2% NDS) Rabbit-anti-CLEC14A antibody (ABIN1385496) diluted 1:50-1:400 Wash three times with PBS 5min (shake gently) Incubate with secondary antibody together with DAPI at RT for 1h (Prepared in 2% NDS), cover the chamber with foil Donkey-anti-Rabbit-Cy3 DAPI 1:100 Wash three times with PBS 5min (shake gently) Add three drops of water-based Immu-mount Cover with 24x60 cover glass Imaging Images were taken using a Zeiss Axio2-Imaging system, 20X-0.5NA-Dry Dye-1004-072 objective, DAPI and Cy3 channel.
	ABIN1385496 worked within the diution range 1:50 - 1:200; the antibody did not work well at a



Validation image no. 1 for anti-C-Type Lectin Domain Family 14, Member A (CLEC14A) (AA 260-310) antibody (ABIN1385496)

IF validation of CLEC14A antibody ABIN1385496 on mouse brain tumor sections. A. ABIN1385496 diluted 1:100 (blue), DAPI counterstaining (red). B. Dilution factor 1:100. C. Dilution factor 1:200. D. Dilution factor 1:400.