

Datasheet for ABIN7147529
anti-CHMP5 antibody (AA 1-219)



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3 Images

Overview

Quantity:	100 µg
Target:	CHMP5
Binding Specificity:	AA 1-219
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHMP5 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Charged multivesicular body protein 5 protein (1-219AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CHMP5
Alternative Name:	CHMP5 (CHMP5 Products)
Background:	Background: Probable peripherally associated component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs)

Target Details

formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential function of ESCRT-O, -I,-II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and the budding of enveloped viruses (HIV-1 and other lentiviruses). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4. Involved in HIV-1 p6- and p9-dependent virus release.

Aliases: apoptosis-related protein PNAS-2 antibody, C9orf83 antibody, CGI 34 antibody, Charged multivesicular body protein 5 antibody, CHMP 5 antibody, CHMP family, member 5 antibody, chmp5 antibody, CHMP5_HUMAN antibody, Chromatin modifying protein 5 antibody, Chromatin-modifying protein 5 antibody, Chromosome 9 open reading frame 83 antibody, HGNC:26942 antibody, HSPC177 antibody, hVps60 antibody, PNAS 2 antibody, SNF7 domain containing protein 2 antibody, SNF7 domain-containing protein 2 antibody, SNF7DC2 antibody, Vacuolar protein sorting 60 antibody, Vacuolar protein sorting-associated protein 60 antibody, Vps60 antibody

UniProt: [Q9NZZ3](#)

Application Details

Application Notes: Recommended dilution: IHC:1:500-1:1000, IF:1:100-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

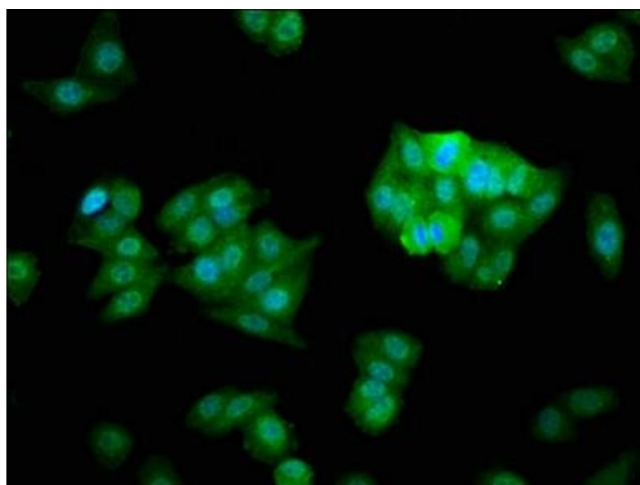
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

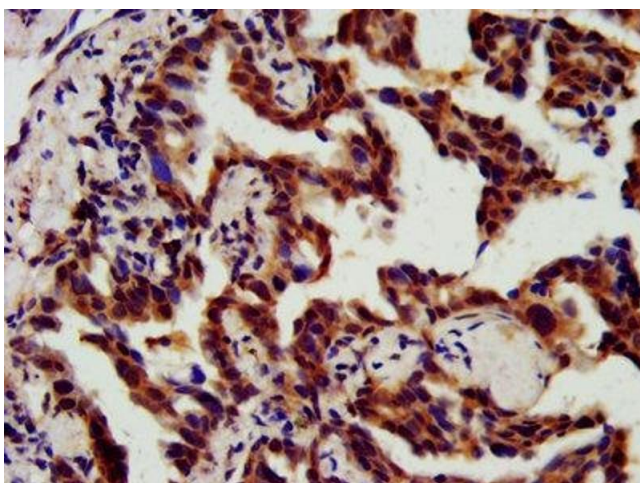
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



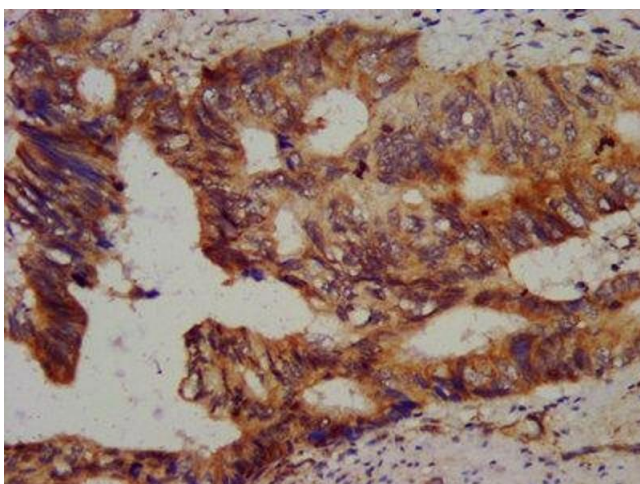
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7147529 at 1:266, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7147529 diluted at 1:800 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 3. IHC image of ABIN7147529 diluted at 1:800 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.