

Datasheet for ABIN1109497

anti-CHMP3 antibody**1** Image[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CHMP3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide derived from internal domain of Human Vps24 protein
Specificity:	Reacts with 25 kDa hVps24.
Cross-Reactivity (Details):	Species reactivity (expected): Mouse, Rat. Species reactivity (tested): Human.
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	CHMP3
Alternative Name:	VPS24 (CHMP3 Products)
Background:	The charged multivesicular body proteins, commonly designated CHMPs, belong to the vacuolar sorting protein family and function as chromatin-modifying proteins. CHMP1-6 are all components of ESCRT (endosomal sorting complex required for transport) I, II or III complexes. These complexes are crucial for sorting endosomal articles into multivesicular bodies (MVBs),

Target Details

as well as required for the formation of these bodies. CHMP3, also known as Vps24, associates directly with CHMP2 and CHMP4 for the disassembly of ESCRT-III complex in an ATP-dependent manner. During HIV-1 infection, the virus uses the ESCRT-III complex to mediate budding and exocytosis of viral proteins. Overexpression of CHMP3 strongly inhibits HIV-1 release. CHMP3 is expressed in brain, skeletal muscle, heart, lung, kidney and liver. Synonyms: CGI-149, CHMP3, Charged multivesicular body protein 3, Chromatin-modifying protein 3, NEDF, Neuroendocrine differentiation factor, Vacuolar protein-sorting-associated protein 24

Gene ID: 51652

NCBI Accession: [NP_001005753](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

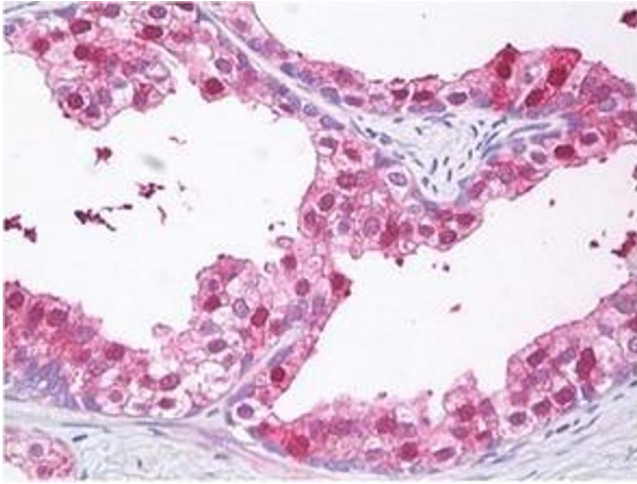
Reconstitution: Restore in distilled water.

Buffer: 0.1 M Tris, 0.1 M Glycine and 2 % Sucrose, None

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Prior to reconstitution store the antibody at -20 °C. Store reconstituted antibody at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Prostate stained with VPS24 antibody *Cat.-No* in Immunohistochemistry on Paraffin Sections.