

VAP-A

Cat.No. 249 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 500 IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 223 from human VAP-A (UniProt Id: Q9P0L0)
Reactivity	Reacts with: human (Q9P0L0), rat (Q9Z270), mouse (Q9WV55). Other species not tested yet.
Specificity	Specific for VAP-A.
matching control	249-0P

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The **VAMP-associated protein A VAP-A**, also referred to as **VAP-33**, is a ubiquitously expressed type IV membrane protein. It is composed of an N-terminal domain with an immunoglobulin-like b-sheet, a central coiled-coiled domain and a C-terminal transmembrane domain. The protein, which may be involved in vesicle trafficking, is located to the endoplasmic reticulum (ER) and ER/Golgi intermediate compartment (ERGIC). VAP-A has been shown to bind to different v- and t-SNARE proteins. Two other isoforms, VAP-B and VAP-C, have been described in the literature so far.

Selected General References

The glycolipid transfer protein interacts with the vesicle-associated membrane protein-associated protein VAP-A.

Tuuf J, Wistbacka L, Mattjus P

Biochemical and biophysical research communications (2009) 388(2): 395-9.

Norwalk virus nonstructural protein p48 forms a complex with the SNARE regulator VAP-A and prevents cell surface expression of vesicular stomatitis virus G protein.

Ettayebi K, Hardy ME

Journal of virology (2003) 77(21): 11790-7.

Vesicle-associated membrane protein-associated protein-A (VAP-A) interacts with the oxysterol-binding protein to modify export from the endoplasmic reticulum.

Wyles JP, McMaster CR, Ridgway ND

The Journal of biological chemistry (2002) 277(33): 29908-18.

VAP-A binds promiscuously to both v- and tSNAREs.

Weir ML, Xie H, Klip A, Trimble WS

Biochemical and biophysical research communications (2001) 286(3): 616-21.