

Mouse anti-Human Integrin alpha 3A Monoclonal Antibody | anti-Itga3 antibody

Mouse anti Integrin alpha 3A

CATALOG # AAA77475	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry
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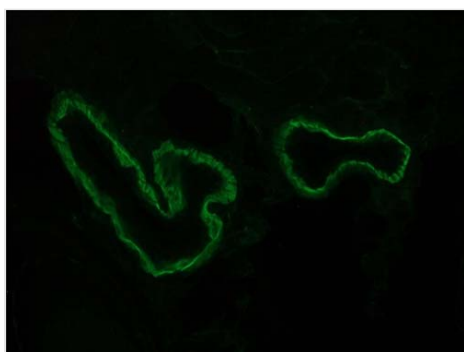
PRODUCT SYNONYMS

Integrin alpha 3A; Monoclonal Antibody; Mouse anti Integrin alpha 3A; anti-Itga3 antibody

PRODUCT SPECIFICATIONS

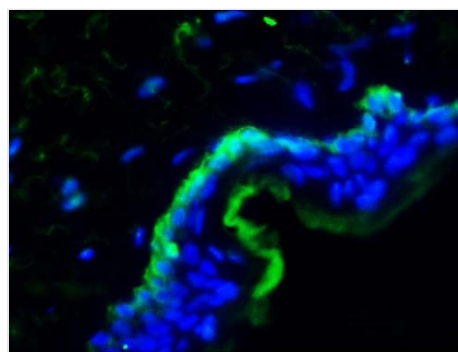
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	158A3
Specificity	158A3 reacts exclusively with the cytoplasmic domain of non-phosphorylated integrin subunit α 3A.
Form/Format	Each vial contains 100 μ l of 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.
Applicable Applications for anti-Itga3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Source Note	158A3 is a Mouse monoclonal IgG2a antibody derived by fusion of SP2/0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with a synthetic peptide corresponding to the cytoplasmic domain of the integrin subunit α 3A including an additional N-terminal cysteine (CRTRALYEAKRQKAEMKSPQSETERLTDDY) coupled to keyhole limpet hemocyanin.
Preparation and Storage	Store at 4 degree C, or in small aliquots at -20 degree C.

IMAGES



Application Data

Figure 2: Immunohistochemistry on frozen sections of dog skin.



Application Data

Figure 1: Immunohistochemistry on frozen section of human skin

ADDITIONAL INFORMATION

Related Product Information for anti-Itga3 antibody	Integrins are a family of heterodimeric membrane glycoproteins consisting of non-covalently associated alpha and beta subunits. More than 18 alpha and 8 beta subunits with numerous splice variant isoforms have been identified in mammals. In general, integrins function as receptors for extracellular matrix proteins. Certain integrins can also bind to soluble ligands or to counter-receptors on adjacent cells, such as the intracellular adhesion molecules (ICAMs), resulting in aggregation of cells. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migRation and apoptosis. For integrin subunits alpha3 and alpha6, two cytoplasmic variants, A and B, have been identified.
Product Categories/Family for anti-Itga3 antibody	Cell adhesion; Cancer; Cell adhesion
References	Delwel, G. O., de Melker, A. A., Hogervorst, F., Jaspars, L. H., Fles, D. L., Kuikman, I., Lindblom, A., Paulsson, M., Timpl, R., and Sonnenberg, A. (1994). Distinct and overlapping ligand specificities of the alpha 3A beta 1 and alpha 6A beta 1 integrins: recognition of laminin isoforms, Mol Biol Cell 5, 203-15. de Melker, A. A., Sterk, L. M., Delwel, G. O., Fles, D. L., Daams, H., Weening, J. J., and Sonnenberg, A. (1997). The A and B variants of the alpha 3 integrin subunit: tissue distribution and functional characterization, Lab Invest 76, 547-63.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8178480
NCBI GeneID	16400
UniProt Accession #	Q62470; Q08441; Q08442; Q5SWA8; Q5SWB9; Q6P6I1
Molecular Weight	116,745 Da
NCBI Official Full Name	integrin alpha 3A
NCBI Official Synonym Full Names	integrin alpha 3
NCBI Official Symbol	Itga3
NCBI Official Synonym Symbols	CD49C; GAPB3; AA407068
NCBI Protein Information	integrin alpha-3; VLA-3 alpha 3; alpha3-integrin; galactoprotein B3; VLA-3 subunit alpha; VLA-3 receptor, alpha 3 subunit; CD49 antigen-like family member C
UniProt Protein Name	Integrin alpha-3
UniProt Gene Name	Itga3
UniProt Synonym Gene Names	GAPB3
UniProt Entry Name	ITA3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.