

Recombinant Integrin beta-6 Antibody

Rabbit Monoclonal Antibody [Clone ITGB6/13992R]

Catalog No	Format	Size
3694-RBM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3694-RBM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3694-RBM1-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	ITGB6/13992R
Immunogen	Recombinant human ITGB6 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	85.94kDa
Cellular Localization	Cell junction, Cell membrane, Focal adhesion
Species Reactivity	Human

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Integrin beta-6 Antibody

Specificity & Comments

Integrin alpha-V:beta-6 (ITGAV:ITGB6) is a receptor for fibronectin and cytactin (PubMed:17158881, PubMed:17545607). It recognizes the sequence R-G-D in its ligands (PubMed:17158881, PubMed:17545607). Internalization of integrin alpha-V/beta-6 via clathrin-mediated endocytosis promotes carcinoma cell invasion (PubMed:17158881, PubMed:17545607). ITGAV:ITGB6 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1 (PubMed:17158881). Integrin alpha-V:beta-6 (ITGAV:ITGB6) mediates R-G-D-dependent release of transforming growth factor beta-1 (TGF-beta-1) from regulatory Latency-associated peptide (LAP), thereby playing a key role in TGF-beta-1 activation (PubMed:15184403, PubMed:22278742, PubMed:28117447)., (Microbial infection) Integrin ITGAV:ITGB6 acts as a receptor for Coxsackievirus A9 and Coxsackievirus B1., (Microbial infection) Integrin ITGAV:ITGB6 acts as a receptor for Herpes simplex virus-1/HHV-1 (PubMed:24367260).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.