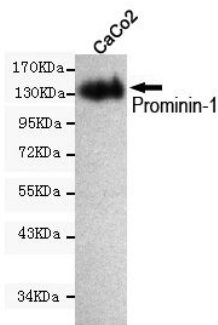




Prominin-1

Mouse monoclonal Antibody

#53334

Catalog Number: 53334**Amount:** 100µg/100µl**Swiss-Prot No. :** O43490**Gene name:** prom1**Gene id:** 8842**Clone Number:** 6H10-F1-C11**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human Prominin-1 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of Prominin-1 and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 133kd WB: 1:1000

Western blot detection of Prominin-1 in CaCo2 cell lysate using Prominin-1 mouse mAb (1:1000 diluted). Predicted band size: 97KDa. Observed band size: 133KDa

Background:

This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene.