

Anti-Rab 2A Monoclonal Antibody

Catalog Number: M06007-1

About RAB2A

Anti Mesothelin Antibody recognizes Mesothelin that is a glycosyl-phosphatidylinositol-anchored glycoprotein present on the cell surface of various human solid tumors. The mesothelin (MSLN) gene encodes a 71-kDa precursor protein that is processed to a 40-kDa glycosylphosphatidylinositol-anchored protein that composes the mature portion and an NH2 terminal 31-kDa fragment called megakaryocyte-potentiating factor that is released from the cell. Mesothelin is a tumor differentiation antigen present at low levels on a restricted set of normal adult tissues, such as mesothelium, but aberrantly over expressed in mesotheliomas, ovarian, and pancreatic cancers. The biological functions of mesothelin remain elusive. A recent study showed that mesothelin binds to MUC16/CA125, and that this interaction mediates cell adhesion, suggesting that there may be an important role for MUC16/CA125 and mesothelin in the metastatic spread of ovarian cancer.

Overview

Product Name	Anti-Rab 2A Monoclonal Antibody
Reactive Species	Bovine, Canine, Chicken, Human, Mouse, Rat, Swine, Zebrafish
Description	Boster Bio Anti-Rab 2A Monoclonal Antibody catalog # M06007-1. Tested in IF, WB applications. This antibody reacts with Bovine, Canine, Chicken, Human, Mouse, Rat, Swine, Zebrafish.
Application	IF, WB
Clonality	Monoclonal 3E9
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P61019

Technical Details

Immunogen	Purified recombinant human Rab 2A (C-terminal) protein fragments expressed in E.coli.
Predicted Reactive Species	Chimpanzee, Macaque
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	Affinity purification
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:1000-1:2000</p> <p>IF 1:100-1:500</p>

Anti-Rab 2A Monoclonal Antibody (M06007-1) Images

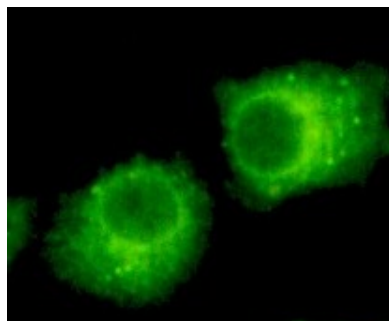


Figure 2. Immunofluorescent staining data of RAB2A using Anti-Rab 2A Monoclonal Antibody (M06007-1).

Immunofluorescence (IF) analysis of HeLa cells using Rab 2A Monoclonal Antibody.

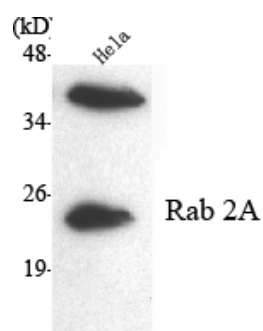


Figure 1. Western blotting validation for Anti-Rab 2A Monoclonal Antibody M06007-1

Western Blot (WB) analysis using Rab 2A Monoclonal Antibody against HeLa cell lysate. Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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