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PLEKHA1 Recombinant Monoclonal Antibody

| Product Code | CSB-RA918477A0HU |
|---------------------|---|
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | Q9HB21 |
| Immunogen | A synthesized peptide derived from human PLEKHA1 |
| Species Reactivity | Human |
| Tested Applications | ELISA, WB; Recommended dilution: WB:1:500-1:2000 |
| Relevance | Binds specifically to phosphatidylinositol 3,4-diphosphate (PtdIns3,4P2), but not to other phosphoinositides. May recruit other proteins to the plasma membrane. {ECO:0000269 PubMed:11001876, ECO:0000269 PubMed:11513726, ECO:0000269 PubMed:14516276}. |
| Form | Liquid |
| Conjugate | Non-conjugated |
| Storage Buffer | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Purification Method | Affinity-chromatography |
| Isotype | Rabbit IgG |
| Clonality | Monoclonal |
| Product Type | Recombinant Antibody |
| Immunogen Species | Homo sapiens (Human) |
| Research Area | Signal transduction |
| Gene Names | PLEKHA1 |
| Clone No. | 16C9 |

Image



Western Blot Positive WB det

Positive WB detected in: Hela whole cell lysate, A549 whole cell lysate, PC-3 whole cell lysate, MCF-7 whole cell lysate All lanes: PLEKHA1 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 46, 39 kDa Observed band size: 36-55 kDa

Description

CUSABIO meticulously produced the PLEKHA1 recombinant monoclonal antibody through a rigorous and precise process. B cells were isolated from the



spleen of an immunized animal, using a synthesized peptide derived from human PLEKHA1 as the immunogen. RNA was extracted from the B cells and converted into cDNA through reverse transcription. The gene encoding the PLEKHA1 antibody was then amplified using a degenerate primer and inserted into a vector, which was introduced into host cells through transfection, enabling efficient expression of the PLEKHA1 recombinant monoclonal antibodies. After expression, the antibodies were harvested from the cell culture supernatant and underwent purification using affinity chromatography. This antibody has been validated for use in ELISA and WB applications to detect the human PLEKHA1 protein.