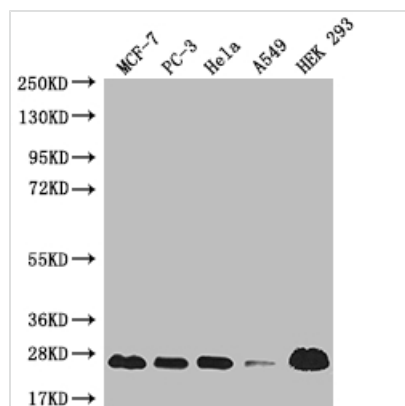




MRAS Recombinant Monoclonal Antibody

Product Code	CSB-RA158563A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O14807
Immunogen	A synthesized peptide derived from human MRAS
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:2000
Relevance	Serves as an important signal transducer for a novel upstream stimuli in controlling cell proliferation. Activates the MAP kinase pathway. {ECO:0000269 PubMed:16630891, ECO:0000269 PubMed:28289718}.
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	Cancer; Signal transduction
Gene Names	MRAS
Clone No.	18E11

Image



Western Blot

Positive WB detected in: MCF-7 whole cell lysate, PC3 whole cell lysate, HeLa whole cell lysate, A549 whole cell lysate, HEK293 whole cell lysate

All lanes: MRAS antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 24, 16 kDa

Observed band size: 24 kDa

Description

CUSABIO meticulously developed the MRAS recombinant monoclonal antibody using a systematic approach. Initially, B cells were isolated from the spleen of an immunized animal, utilizing a synthesized peptide derived from human



MRAS as the immunogen. Subsequently, RNA was extracted from the B cells and converted into cDNA through reverse transcription. The gene encoding the MRAS antibody was amplified using a degenerate primer and inserted into a vector. The recombinant vector was then introduced into host cells through transfection, allowing for efficient expression of the MRAS recombinant monoclonal antibodies. These antibodies were harvested from the cell culture supernatant and purified via affinity chromatography. This antibody can react with human MRAS protein and has been validated for use in ELISA and WB applications.