



Rac1/CDC42 (Phospho Ser71) rabbit pAb

Catalog No	YP-Ab-10429
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA;IHC
Gene Name	RAC1 TC25 MIG5
Immunogen	Synthesized peptide derived from human Rac1/CDC42 (Phospho Ser71)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat Rac1/CDC42 (Phospho Ser71)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cell migration inducing gene 5 protein;Cell migration-inducing gene 5 protein; MGC111543;MIG5;Migration inducing gene 5;Migration inducing protein 5;p21 Rac1;p21-Rac1;Rac 1;RAC1;RAC1_HUMAN;Ras like protein TC25;Ras related C3 botulinum toxin substrate 1 (rho family;small GTP binding protein Rac1);Ras-like protein TC25;Ras-related C3 botulinum toxin substrate 1;Rho family small GTP binding protein Rac1;TC 25;TC25;Rac1/CDC42;RAC1 TC25 MIG5;Rac1/ CDC42 (Phospho Ser71);Ras-related C3 botulinum toxin substrate 1 (Cell migration-inducing gene 5 protein;p21-Rac1)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane ; Lipid-anchor ; Cytoplasmic side . Melanosome . Cytoplasm . Cell projection, lamellipodium . Cell projection, dendrite . Cell junction, synapse . Nucleus . Inner surface of plasma membrane possibly with attachment requiring prenylation of the C-terminal cysteine (PubMed:1903399). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Found in the ruffled border (a late endosomal-like compartment in the plasma membrane) of bone-resorbing osteoclasts. Localizes to the lamellipodium in a SH3RF1-dependent manner (By similarity). In macrophages, cytoplasmic location increases upon CSF1 stimulation (By



similarity). Activation by GTP-binding promotes nuclear localization (PubMed:12551911). .

Tissue Specificity

Isoform B is predominantly identified in skin and epithelial tissues from the intestinal tract. Its expression is elevated in colorectal tumors at various stages of neoplastic progression, as compared to their respective adjacent tissues.

Function**Background****matters needing attention**

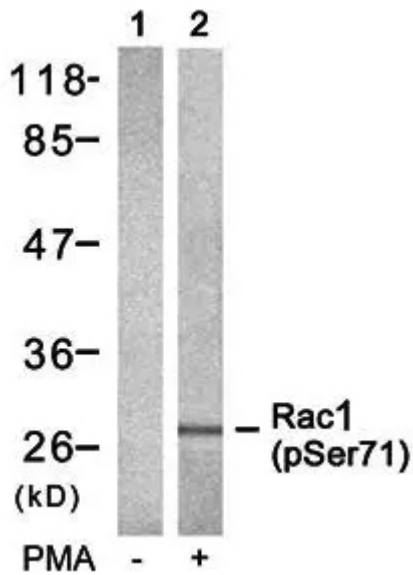
Avoid repeated freezing and thawing!

Usage suggestions

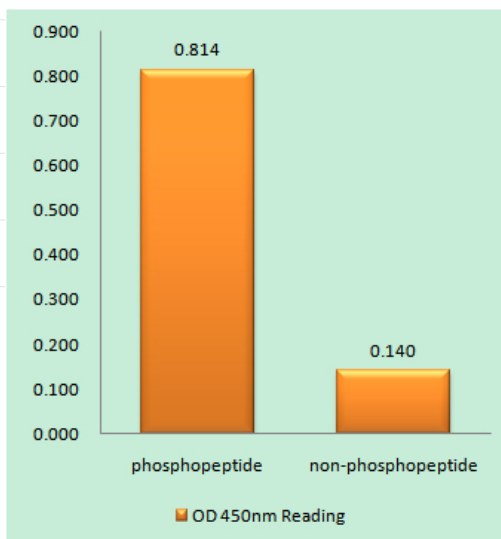
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



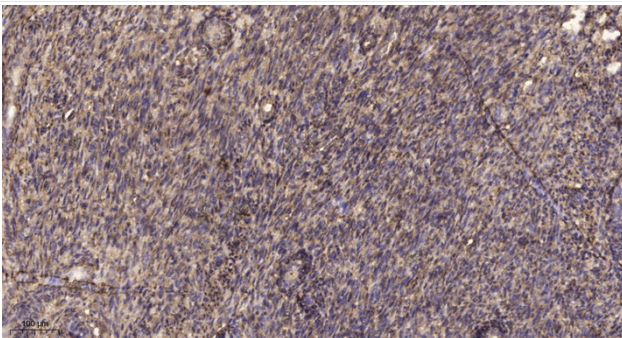
Products Images



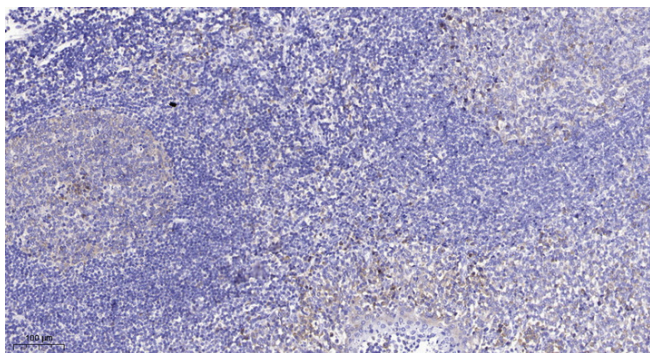
Western blot analysis of Rac1(Phospho-Ser71) antibody in 293 cells lysates, cell treated or untreated with PMA 125ng/ml 30', 4° over night, secondary antibody(cat: RS0002 was diluted at 1:10000, 37° 1hour.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Rac1(Phospho-Ser71) antibody



Immunohistochemical analysis of paraffin-embedded human uterus. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).