



MCF2 Monoclonal Antibody

Catalog No	YP-mAb-06651
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	MCF2 DBL
Protein Name	Proto-oncogene DBL (Proto-oncogene MCF-2) [Cleaved into: MCF2-transforming protein; DBL-transforming protein]
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	MCF2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	101kD
Cell Pathway	Cytoplasm .; [Isoform 1]: Membrane.; [Isoform 3]: Membrane. Colocalizes with CDC42 to plasma membrane.
Tissue Specificity	Isoform 1 is expressed only in brain. Isoform 3 is expressed in heart, kidney, spleen, liver and testis. Isoform 4 is expressed in brain, heart, kidney, testis, placenta, stomach and peripheral blood. The protein is detectable in brain, heart, kidney, intestine, muscle, lung and testis.
Function	disease:MCF2 and DBL represent two activated versions of the same proto-oncogene.;domain:The CRAL-TRIO domain is involved in interaction with inositol phospholipids.;domain:The DH domain is essential for transforming activity and directly catalyzes GDP-GTP exchange activity. It may interact with CCPG1.;function:Guanine nucleotide exchange factor (GEF) that modulates the Rho family of GTPases. Promotes the conversion of some member of the Rho family GTPase from the GDP-bound to the GTP-bound form. Isoform 1 exhibits no activity toward RHOA, RAC1 or CDC42. Isoform 2 exhibits decreased GEF activity toward CDC42. Isoform 3 exhibits a weak but significant activity toward RAC1 and CDC42. Isoform 4 exhibits significant activity toward RHOA and CDC42. The truncated DBL oncogene is active toward RHOA, RAC1 and CDC42.;similarity:Belongs to the MCF2 family.;similarity:Contains 1 CRAL-TRIO domain.;s

**Background**

The oncogenic protein encoded by this gene is a guanine nucleotide exchange factor (GEF) that exerts control over some members of the Rho family of small GTPases. Several transcript variants encoding different isoforms have been found for this gene. These isoforms exhibit different expression patterns and varying levels of GEF activity.[provided by RefSeq, Jan 2010],

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