



CALCOCO2 rabbit pAb

Catalog No	BYab-24069
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	CALCOCO2 NDP52
Protein Name	CALCOCO2
Immunogen	Synthesized peptide derived from human CALCOCO2
Specificity	This antibody detects endogenous levels of CALCOCO2 at Human/Mouse/Rat
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
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Calcium-binding and coiled-coil domain-containing protein 2 (Antigen nuclear dot 52 kDa protein) (Nuclear domain 10 protein NDP52) (Nuclear domain 10 protein 52) (Nuclear dot protein 52)
Observed Band	53kD
Cell Pathway	Cytoplasm, perinuclear region . Cytoplasm, cytoskeleton . Cytoplasmic vesicle, autophagosome membrane ; Peripheral membrane protein . According to PubMed:7540613, localizes to nuclear dots. According to PubMed:9230084 and PubMed:12869526, it is not a nuclear dot-associated protein but localizes predominantly in the cytoplasm with a coarse-grained distribution preferentially close to the nucleus. .
Tissue Specificity	Expressed in all tissues tested with highest expression in skeletal muscle and lowest in brain.
Function	function:May play a role in ruffle formation and actin cytoskeleton organization. Seems to negatively regulate constitutive secretion.,miscellaneous:In (PubMed:7540613) herpes simplex virus-1 infection removed CALCOCO2 from the nucleus, however, remained faintly in areas shown to be domains, containing splicing components. Treatment with IFNB and IFNG showed an increase in

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number and size of CALCOCO2-specific dots and partial redistribution to the cytoplasm. In (PubMed:9230084) IFNG increased gene expression only slightly and IFNB did not increase expression.,subcellular location:In (PubMed:7540613) localized to nuclear dots. In (PubMed:9230084/12869526) CALCOCO2 is not a nuclear dot-associated protein but localized predominantly in the cytoplasm with a coarse-grained distribution preferentially close to the nucleus.,subunit:Part of a complex consisting of CALCOCO2, TAX1BP1 and MYO6. Int

Background

This gene encodes a coiled-coil domain-containing protein. The encoded protein functions as a receptor for ubiquitin-coated bacteria and plays an important role in innate immunity by mediating macroautophagy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012],

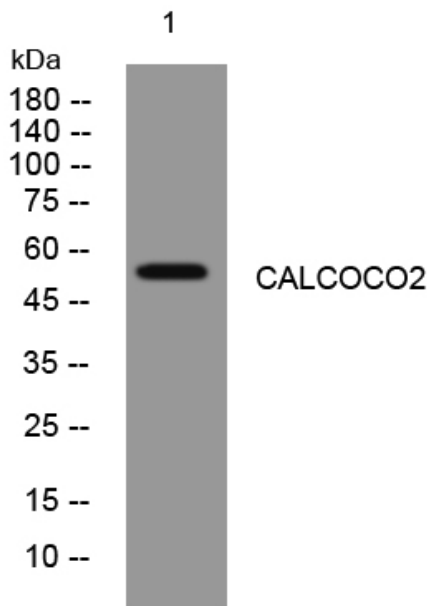
matters needing attention

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



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