



CALCOCO2 rabbit pAb

Catalog No	YP-Ab-07888
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	CALCOCO2 NDP52
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	CALCOCO2; Calcium-binding and coiled-coil domain-containing; CALCOCO2 NDP52; 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
Calculated Molecular Weight	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 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],

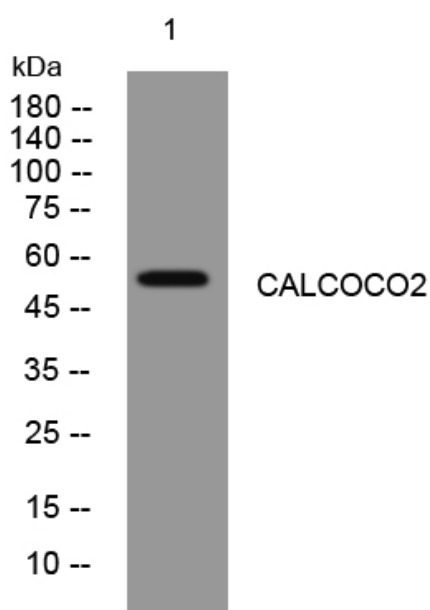
matters needing attention

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



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4° over night