

Rabbit anti-Human CALCOCO2 Polyclonal Antibody | anti-CALCOCO2 antibody

CALCOCO2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231836	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

CALCOCO2; Polyclonal Antibody; CALCOCO2 Antibody; 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; NDP52; anti-CALCOCO2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	470
Applicable Applications for anti-CALCOCO2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Calcium-binding and coiled-coil domain-containing protein 2 protein (C-310AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-160995 / sc-160994
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitating CALCOCO2 in HeLa whole cell lysate Lane 1: Rabbit monoclonal IgG(1ug) instead of AAA231836 in HeLa whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used. The secondary antibody (1/50000) Lane 2: AAA231836(4ug)+ HeLa whole cell lysate(500ug) Lane 3: HeLa whole cell lysate (20ug)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using AAA231836 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human ovarian cancer using AAA231836 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: CALCOCO2 antibody at 3.66ug/mlLane 1: Hela whole cell lysateLane 2: Jurkat whole cell lysateLane 3: 293T whole cell lysateLane 4: Raji whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 53,48,55,56,44 kDaObserved band size: 52 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CALCOCO2 antibody

Xenophagy-specific receptor required for autophagy-mediated intracellular bacteria degradation. Acts as an effector protein of galectin-sensed membrane damage that restricts the proliferation of infecting pathogens such as *Salmonella typhimurium* upon entry into the cytosol by targeting galectin-8-associated bacteria for autophagy (PubMed:22246324). Initially orchestrates bacteria targeting to autophagosomes and subsequently ensures pathogen degradation by regulating pathogen-containing autophagosome maturation (PubMed:23022382, PubMed:25771791). Bacteria targeting to autophagosomes relies on its interaction with MAP1LC3A, MAP1LC3B and/or GABARAPL2, whereas regulation of pathogen-containing autophagosome maturation requires the interaction with MAP3LC3C (PubMed:23022382, PubMed:25771791). May play a role in ruffle formation and actin cytoskeleton organization and seems to negatively regulate constitutive secretion (PubMed:17635994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	386869290
NCBI GeneID	10241
NCBI Accession #	NP_001248319.1
NCBI GenBank Nucleotide #	NM_001261390.1
UniProt Accession #	Q13137 ; Q53FQ5 ; Q53HB5 ; Q6IBN9 ; B2RBT0 ; B4DDC4 ; B4DDT4 ; B4DP36 ; B4E0C0 ; E7ENK0 ; E7ETP5 ; E9PBE5
Molecular Weight	43,669 Da
NCBI Official Full Name	calcium-binding and coiled-coil domain-containing protein 2 isoform 1
NCBI Official Synonym Full Names	calcium binding and coiled-coil domain 2
NCBI Official Symbol	CALCOCO2
NCBI Official Synonym Symbols	NDP52
NCBI Protein Information	calcium-binding and coiled-coil domain-containing protein 2
UniProt Protein Name	Calcium-binding and coiled-coil domain-containing protein 2
UniProt Gene Name	CALCOCO2
UniProt Synonym Gene Names	; Nuclear domain 10 protein 52
UniProt Entry Name	CACO2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/calco2-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/231836>