



[Go to Product page](#)

Datasheet for ABIN7146349

## anti-CALCOCO2 antibody (AA 137-446)

### 4 Images

#### Overview

Quantity:	100 µL
Target:	CALCOCO2
Binding Specificity:	AA 137-446
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CALCOCO2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

#### Product Details

Immunogen:	Recombinant Human Calcium-binding and coiled-coil domain-containing protein 2 protein (137-446AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

#### Target Details

Target:	CALCOCO2
Alternative Name:	CALCOCO2 ( <a href="#">CALCOCO2 Products</a> )
Background:	Background: Xenophagy-specific receptor required for autophagy-mediated intracellular

## Target Details

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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).

Aliases: Antigen nuclear dot 52 kDa protein antibody, CACO2\_HUMAN antibody, Calcium binding and coiled coil domain 2 antibody, Calcium binding and coiled coil domain containing protein 2 antibody, Calcium-binding and coiled-coil domain-containing protein 2 antibody, CALCOCO 2 antibody, CALCOCO2 antibody, MGC17318 antibody, NDP52 antibody, Nuclear domain 10 protein 52 antibody, Nuclear domain 10 protein antibody, Nuclear domain 10 protein NDP52 antibody, Nuclear domain protein 52 antibody, Nuclear dot protein 52 antibody, OTTHUMP00000218344 antibody, OTTHUMP00000218345 antibody, OTTHUMP00000218346 antibody, OTTHUMP00000218347 antibody, OTTHUMP00000218349 antibody, OTTHUMP00000218351 antibody

UniProt: [Q13137](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

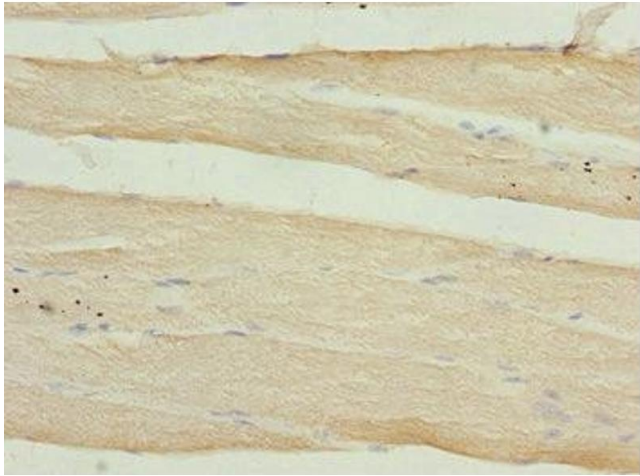
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

## Handling

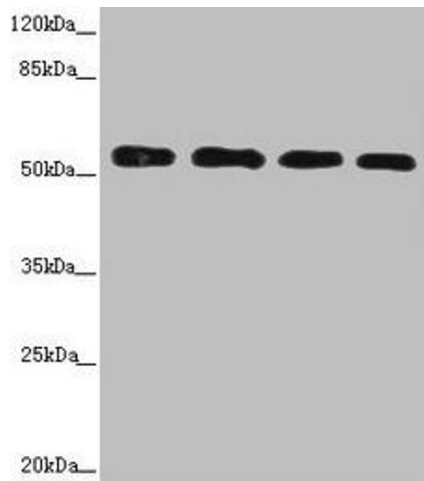
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



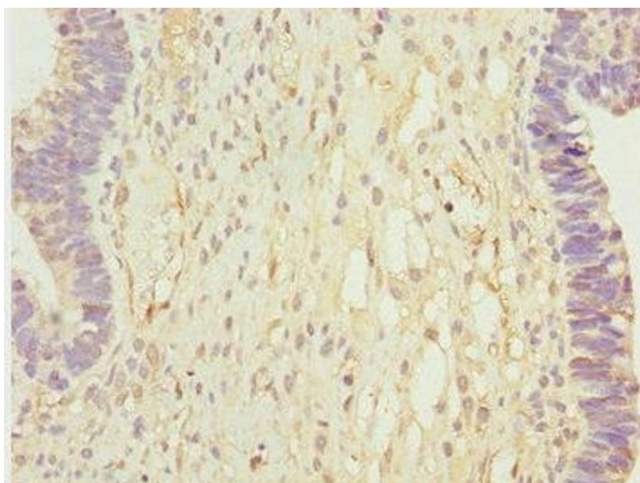
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using ABIN7146349 at dilution of 1:100



### Western Blotting

**Image 2.** Western blot All lanes: CALCOCO2 antibody at 3.66 µg/mL Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: 293T whole cell lysate Lane 4: Raji whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 53, 48, 55, 56, 44 kDa Observed band size: 56 kDa



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human ovarian cancer using ABIN7146349 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7146349.