CALCOCO2 Antibody

PACO44614

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000, IHC:1:20-1:200, IP:1:200-1:2000

Protein Background:

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. Initially orchestrates bacteria targeting to autophagosomes and subsequently ensures pathogen degradation by regulating pathogen-containing autophagosome maturation. 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. May play a role in ruffle formation and actin cytoskeleton organization and seems to negatively regulate constitutive secretion.

Gene ID:

CALCOCO2

Uniprot

Q13137

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), CALCOCO2, NDP52

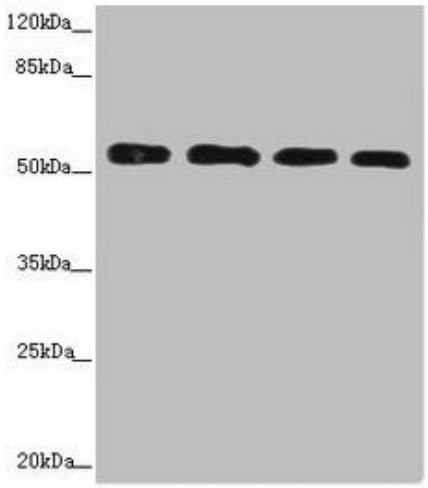
Immunogen:

Recombinant Human Calcium-binding and coiled-coil domain-containing protein 2 protein (137-446AA).

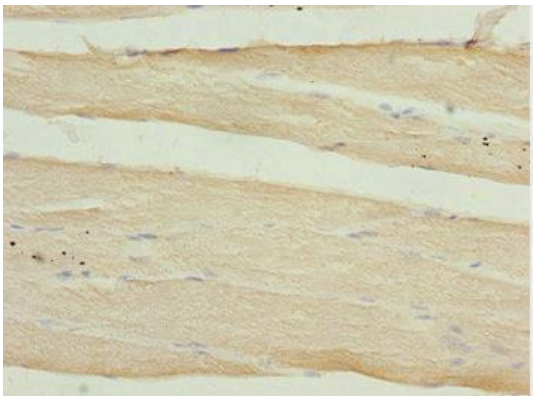
Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

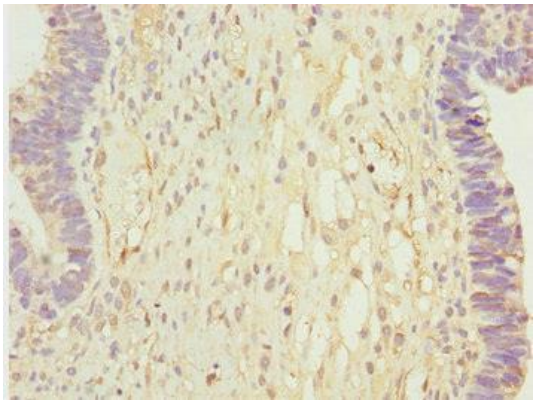
Product Images



Western blot. All lanes: CALCOCO2 antibody at 3.66µg/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 of paraffin-embedded human skeletal muscle tissue using PACO44614 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human ovarian cancer using PACO44614 at dilution of 1:100.

