

## anti- CALCOCO2 antibody

### Product Information

Catalog No.:	FNab01196
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### 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(PubMed:22246324). Initially orchestrates bacteria targeting to autophagosomes and subsequently ensures pathogen degradation by regulating pathogen-containing autophagosomematuration(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).

### Immunogen information

Immunogen:	calcium binding and coiled-coil domain 2
Synonyms:	NDP52
Observed MW:	52 kDa
UniprotID :	Q13137

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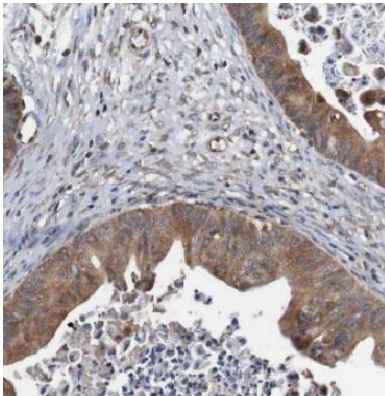
## Application

Reactivity: Human, Mouse, Rat

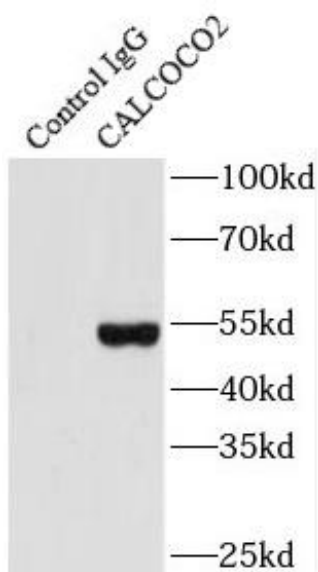
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:500-1:1000; IHC: 1:50-1:200

Image:



Immunohistochemistry of paraffin-embedded human ovary tumor using FNab01196(CALCOCO2 antibody) at dilution of 1:100



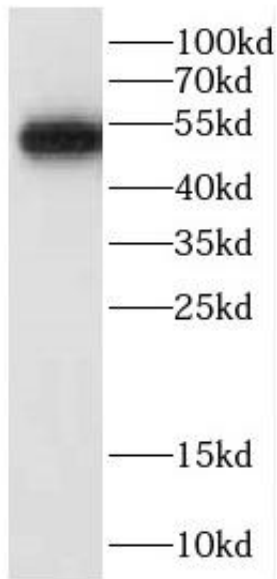
IP Result of anti-CALCOCO2 (IP:FNab01196, 3ug; Detection:FNab01196 1:1000) with HeLa cells lysate 2150ug.

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HeLa cells were subjected to SDS PAGE followed by western blot with FNab01196(CALCOCO2 antibody) at dilution of 1:1000