




Product datasheet

Anti-CNOT2 antibody ab221711

3 Images

Overview

Product name	Anti-CNOT2 antibody
Description	Rabbit polyclonal to CNOT2
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human CNOT2 aa 217-292. Sequence: DGSENVTGLDLSDFPALADRNRRREGSGNPTLINPLA GRAPYVGMVTKPA NEQSQDFSIIHNEDFPALPGSSYKDPT Database link: Q9NZN8  Run BLAST with  Run BLAST with
Positive control	ICC/IF: U-2 OS cells. IHC-P: Human fallopian tube tissue. WB: RT4 and U-251 MG cell lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituents: PBS, 40% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab221711** in the following tested applications.

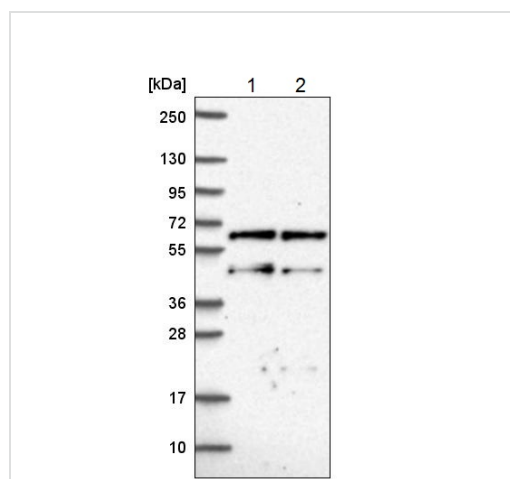
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
WB		1/500 - 1/1000. Predicted molecular weight: 60 kDa.
IHC-P		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	The CCR4-NOT complex functions as general transcription regulation complex.
Tissue specificity	Ubiquitous. Highly expressed in brain, heart, thymus, spleen, kidney, liver, small intestine, placenta, lung and peripheral blood leukocytes.
Sequence similarities	Belongs to the CNOT2/3/5 family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm. Nucleus.

Images



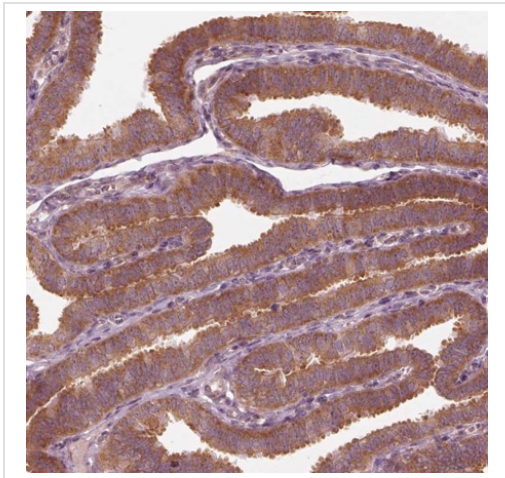
Western blot - Anti-CNOT2 antibody (ab221711)

All lanes : Anti-CNOT2 antibody (ab221711) at 1/500 dilution

Lane 1 : RT4 (human urinary bladder cancer cell line) cell lysate

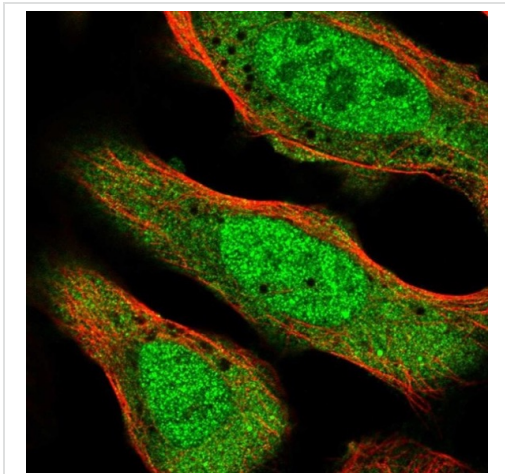
Lane 2 : U-251 MG (human brain glioma cell line) cell lysate

Predicted band size: 60 kDa



Paraffin-embedded human fallopian tube tissue stained for CNOT2 using ab221711 at 1/1000 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CNOT2 antibody (ab221711)



PFA-fixed, Triton X-100 permeabilized U-2 OS (human bone osteosarcoma epithelial cell line) cells stained for CNOT2 (green) using ab221711 at 4 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-CNOT2 antibody (ab221711)

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