

Product datasheet for **CF808626**

CNOT2 Mouse Monoclonal Antibody [Clone ID: OTI5A12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5A12
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CNOT2(NP_055330) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59.6 kDa
Gene Name:	CCR4-NOT transcription complex subunit 2
Database Link:	NP_055330 Entrez Gene 72068 MouseEntrez Gene 299805 RatEntrez Gene 4848 Human Q9NZN8



[View online »](#)

Background:

This gene encodes a subunit of the multi-component CCR4-NOT complex. The CCR4-NOT complex regulates mRNA synthesis and degradation and is also thought to be involved in mRNA splicing, transport and localization. The encoded protein interacts with histone deacetylases and functions as a repressor of polymerase II transcription. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2010]

Synonyms:

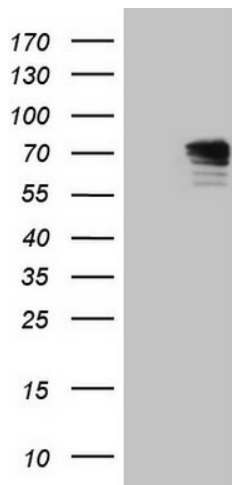
CDC36; HSPC131; NOT2; NOT2H

Protein Families:

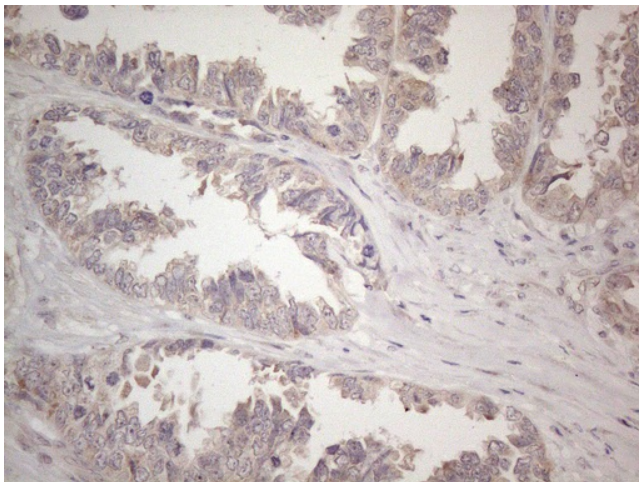
Transcription Factors

Protein Pathways:

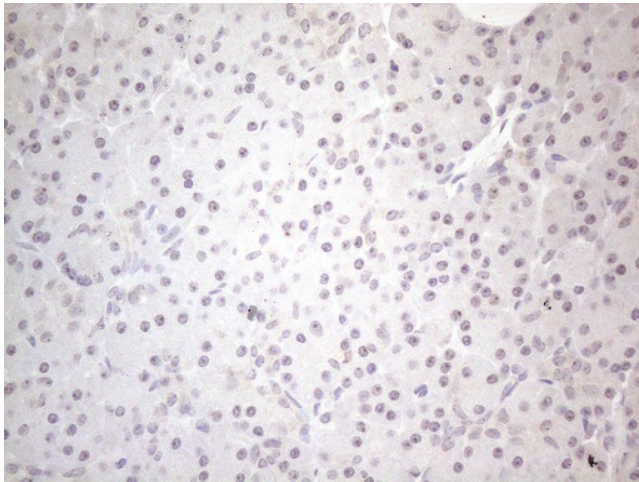
RNA degradation

Product images:


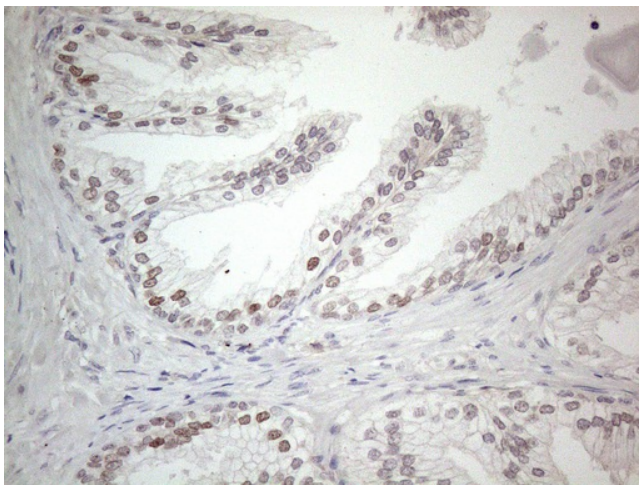
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CNOT2 (Cat# [RC204121], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CNOT2 (Cat# [TA808626])(1:2000). Positive lysates [LY415217] (100ug) and [LC415217] (20ug) can be purchased separately from OriGene.



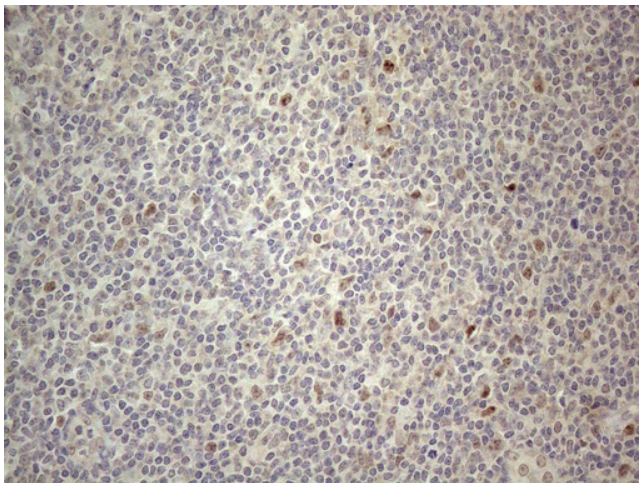
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-CNOT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808626]) (1:150)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-CNOT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808626]) (1:150)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-CNOT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808626]) (1:150)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CNOT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808626]) (1:150)