

## Product datasheet for **CF800048**

### CNOT4 Mouse Monoclonal Antibody [Clone ID: OT11F10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OT11F10
Applications:	IHC, WB
Recommended Dilution:	IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 190-455 of human CNOT4 (NP_037448) 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:	70.2 kDa
Gene Name:	CCR4-NOT transcription complex subunit 4
Database Link:	<a href="#">NP_037448</a> <a href="#">Entrez Gene 53621 Mouse</a> <a href="#">Entrez Gene 312227 Rat</a> <a href="#">Entrez Gene 4850 Human</a> <a href="#">O95628</a>

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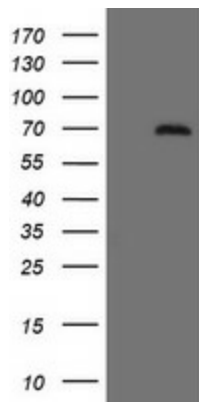
**Background:** The protein encoded by this gene is a subunit of the CCR4-NOT complex, a global transcriptional regulator. The encoded protein interacts with CNOT1 and has E3 ubiquitin ligase activity. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

**Synonyms:** CLONE243; NOT4; NOT4H

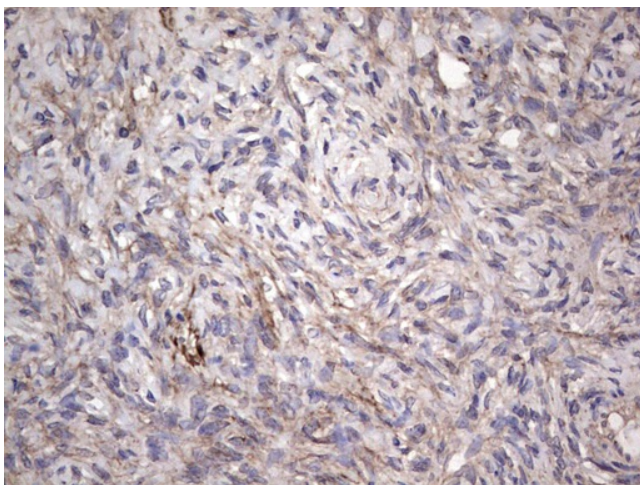
**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** RNA degradation

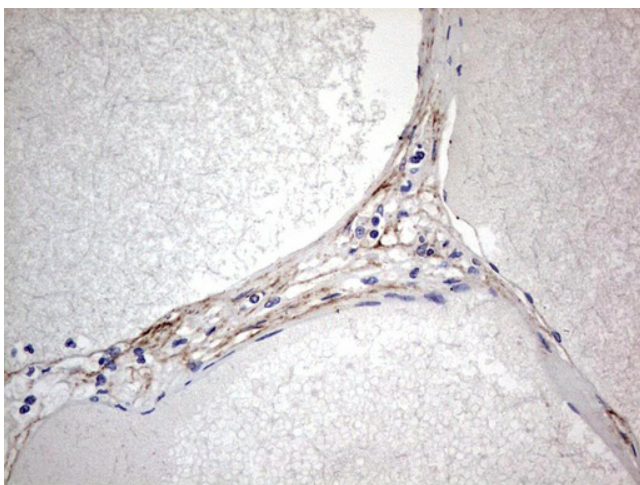
### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CNOT4 [RC217418], 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-CNOT4. Positive lysates [LY415669] (100ug) and [LC415669] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-CNOT4 Mouse monoclonal antibody. ([TA800048]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-CNOT4 Mouse monoclonal antibody. ([TA800048]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.