

## Product datasheet for **CF802169**

### NUMB Mouse Monoclonal Antibody [Clone ID: OTI3E5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3E5
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-365 of human NUMB (NP_001005744) 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:	65.7 kDa
Gene Name:	NUMB endocytic adaptor protein
Database Link:	<a href="#">NP_001005744</a> <a href="#">Entrez Gene 18222 Mouse</a> <a href="#">Entrez Gene 29419 Rat</a> <a href="#">Entrez Gene 8650 Human</a> <a href="#">P49757</a>

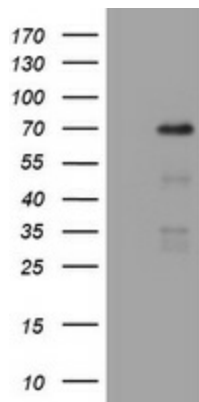
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**Background:** The protein encoded by this gene plays a role in the determination of cell fates during development. The encoded protein, whose degradation is induced in a proteasome-dependent manner by MDM2, is a membrane-bound protein that has been shown to associate with EPS15, LNX1, and NOTCH1. Four transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

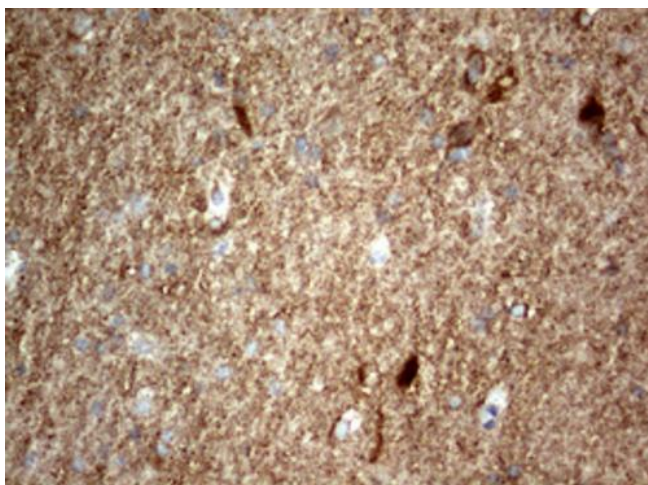
**Synonyms:** C14orf41; c14\_5527; S171

**Protein Pathways:** Notch signaling pathway

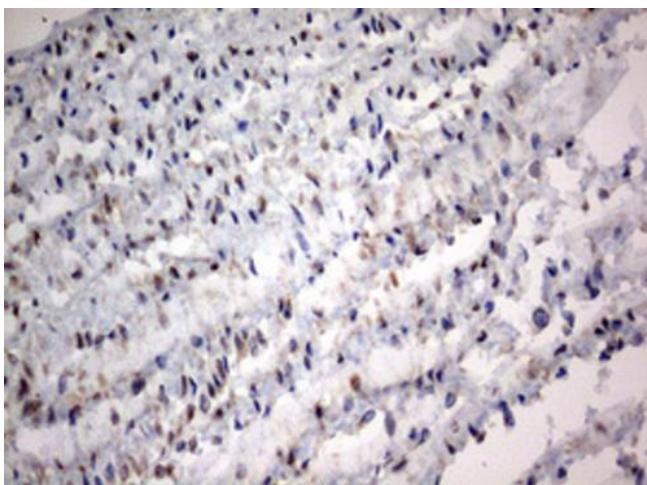
### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NUMB ([RC221018], 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-NUMB. Positive lysates [LY423644] (100ug) and [LC423644] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human adult heart tissue using anti-NUMB mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802169])



Immunohistochemical staining of paraffin-embedded Human muscle tissue using anti-NUMB mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA802169])