

Anti-NUMB Antibody (1M861)

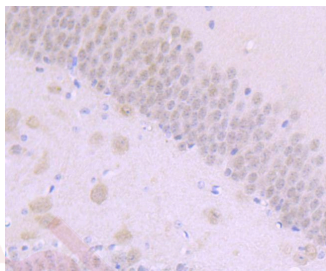
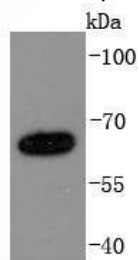
Product Details

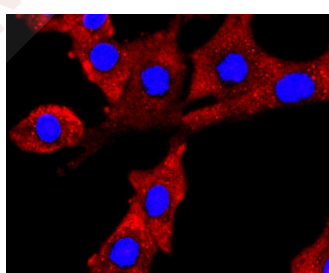
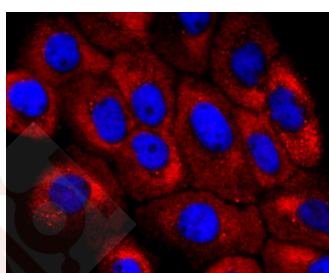
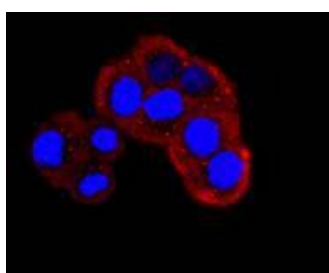
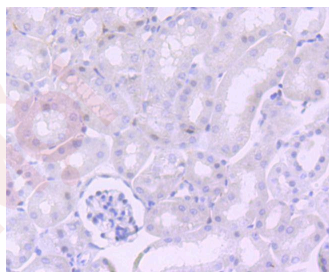
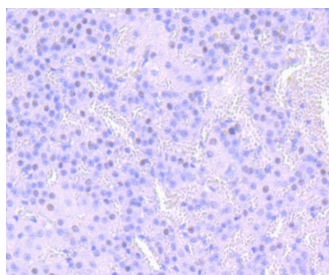
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 71 kDa.
Clone:	1M861
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of NUMB on A431 cells lysates using anti-NUMB antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-NUMB antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue using anti-NUMB antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-NUMB antibody. Counter stained with hematoxylin.
5. ICC staining NUMB in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining NUMB in A431 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining NUMB in NIH/3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC,IHC,WB

Recommended WB: 1:1000-5000; IHC: 1:50-100; ICC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P49757
Synonyms:	Protein S171;Numb;h-Numb;c14_5527;Numb homolog;S171;Numb homolog (Drosophila);C14orf41;NUMB_HUMAN;Numb protein homolog;FLJ31314;h Numb;Protein numb homolog

Research Background

Neuronal cell fate decisions are directed in *Drosophila* by NUMB, a signaling adapter protein with two protein-protein interaction domains: a phosphotyrosine-binding domain and a proline-rich SH3-binding region (PRR). Mammalian NUMB homologs play a role in the determination of cell fates during development and bind with EPS15, LNX1, and NOTCH1. Conditional mouse mutants with deletion of NUMB in developing sensory ganglia show a reduction in axonal arborization in afferent fibers. Changes in cellular calcium homeostasis influences NUMB-dependent cell fate decisions during development of the nervous system. Chicken NUMB (c-NUMB) protein is localized to the basal cortex of mitotic neuroepithelial cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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