

Datasheet: AAM82

Description:	GOAT ANTI MOUSE NUMBL
Specificity:	NUMBL
Other names:	NUMB-LIKE PROTEIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			1/16000
Immunoprecipitation			▪	
Western Blotting	▪			0.03 - 0.1ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Mouse
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Human, Rat, Dog, Bovine N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to mouse Numbl was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Synthetic peptide sequence C-PAQPGHVSPTPAT from the internal region of Numbl (NP_035080.2)

**External Database
Links**

UniProt:

[O08919](#) [Related reagents](#)

Entrez Gene:

[18223](#) Numbl [Related reagents](#)

Synonyms

Nbl

Specificity

Goat anti Mouse Numbl polyclonal antibody recognizes mouse Numb-like protein (Numbl), a cytoplasmic protein preferentially expressed in developing brain tissue, which plays a key role in neurogenesis, as well as in the regulation of the NF-kappa-B and Notch signaling pathways.

The Notch signaling pathway is an evolutionarily conserved pathway in multicellular organisms, which is vital for cell-cell communication, important during fundamental developmental and physiological processes, including regulation of cell fate decisions during neuronal, cardiac and endocrine development, stem cell hematopoiesis, thymic T cell development, and both tumor progression and suppression.

During embryonic neurogenesis, Numbl is essential for the maintenance and cell fate of neural progenitor cells, known as radial glial cells (RGCs), which act as progenitors and migrational guides for neurons, especially vital in cerebral cortex morphogenesis. Studies in mice have linked deletion of the Numbl gene with early embryonic death.

Western Blotting

AAM82 detects a band of approximately 75kDa in fetal mouse brain cell lysates.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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