

## Datasheet: AAM81

<b>Description:</b>	RABBIT ANTI MOUSE DELTA-LIKE PROTEIN 3
<b>Specificity:</b>	DELTA-LIKE PROTEIN 3
<b>Other names:</b>	DLL3
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			1/100 - 1/500

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Mouse
<b>Species Cross Reactivity</b>	<p>Reacts weakly with: Human</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to mouse DLL3 was raised by repeated immunisation of rabbits with protein peptide sequence. Purified IgG was prepared by affinity chromatography on Protein A.
<b>Buffer Solution</b>	Phosphate buffered saline.

<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Keyhole Limpet Hemocyanin (KLH) conjugated peptide sequence CSPEHGYCEEPDE, corresponding to amino acids 222-234 of mouse DLL3.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">O88516</a>      <a href="#">Related reagents</a></p> <p><a href="#">Q9NYJ7</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">13389</a>    DII3    <a href="#">Related reagents</a></p> <p><a href="#">10683</a>    DLL3    <a href="#">Related reagents</a></p>
<b>Specificity</b>	<p><b>Rabbit anti-mouse Delta-like protein 3</b> recognizes mouse Delta-like protein 3 (DLL3), one of the five major ligands of the Notch signaling pathway, which is activated through the binding of specific ligands to the Notch receptors Notch 1-4.</p> <p>DLL3 is predominantly expressed in the neuroectoderm and paraxial mesoderm during embryogenesis, where it plays a role in somite segmentation, during early development. DLL3 acts as a regulator of Notch 1, as an inhibitor of primary neurogenesis, and in mice DLL3-Notch is involved in signaling during liver regeneration, and in developmental defects. In humans more than 25 mutations in the DLL3 gene are known to be responsible for the autosomal recessive skeletal malformation condition known as spondylocostal dysostosis type 1 (<a href="#">SCDO1</a>), associated with vertebral and rib segmentation defects.</p>
<b>Western Blotting</b>	AAM81 detects a prominent band of approximately 60-62kDa in mouse brain tissue, and weakly in human brain tissue.
<b>Further Reading</b>	1. Bray, S.J. (2006) Notch signalling: a simple pathway becomes complex. <a href="#">Nat Rev Mol Cell Biol. 7 (9): 678-89.</a>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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