

# Mouse Erbb3 Antibody (P1076)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21398a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q61526</a>
<b>Reactivity</b>	Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB50337
<b>Calculated MW</b>	147613

## Additional Information

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<b>Gene ID</b>	13867
<b>Other Names</b>	Receptor tyrosine-protein kinase erbB-3, Glial growth factor receptor, Proto-oncogene-like protein c-ErbB-3, Erbb3
<b>Target/Specificity</b>	This Mouse Erbb3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1076-1110 amino acids from the region of Mouse Erbb3.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Mouse Erbb3 Antibody (P1076) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Erbb3
<b>Function</b>	Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase. May also be activated by CSPG5. Involved in the regulation of myeloid cell

differentiation.

**Cellular Location**

Membrane; Single-pass type I membrane protein

**Tissue Location**

In the muscle, expression localizes to the synaptic sites of muscle fibers

## Background

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Binds and is activated by neuregulins and NTAK. May also be activated by CSPG5.

## References

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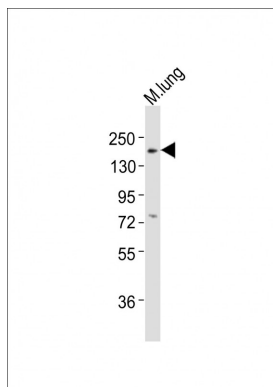
Yamauchi J.,et al.Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.

Moscoso L.M.,et al.Dev. Biol. 172:158-169(1995).

Kwon H.S.,et al.J. Biol. Chem. 288:26357-26371(2013).

## Images

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Anti-ErbB3 Antibody (P1076) at 1:2000 dilution + mouse lung lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 148 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.