

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse/Rat
<b>Specificity</b>	Detects mouse Plexin A3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant mouse (rm) Plexin A1, rmPlexin A2, recombinant human (rh) Plexin B1, rhPlexin C1, and rhPlexin D1
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse Plexin A3 Leu34-Asp150 Accession # P70208
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

<b>Western Blot</b>	Optimal dilution of this antibody should be experimentally determined.
<b>Immunohistochemistry</b>	Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

#### BACKGROUND

Plexin A3 (also known as SEX) is a 220 kDa member of the Plexin A subfamily of semaphorin receptors. Mature mouse Plexin A3 is predicted to be an 1853 amino acid (aa) type I transmembrane glycoprotein that contains a 1202 aa extracellular domain (ECD) and a 629 aa cytoplasmic region. The ECD contains one semaphorin domain (aa 34-473), three plexin-semaphorin-integrin (PSI) domains (aa 492-830), and four Ig-like plexin-transcription factor (IPT) repeats (aa 841-1209). Plexin A3 interacts with neuropilins 1 and 2, and binds class 3 semaphorins. Over aa 35-150, mouse Plexin A3 is 99% and 97% aa identical to rat and human Plexin A3, respectively.

#### PRODUCT SPECIFIC NOTICES

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