

## Product datasheet for **AM01168PU-N**

### **KIF5B Mouse Monoclonal Antibody [Clone ID: H2]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	H2
<b>Applications:</b>	ELISA, IHC, IP, WB
<b>Recommended Dilution:</b>	Immunohistochemistry on frozen sections. Immunohistochemistry on paraffin sections. ELISA. Immunoprecipitation. Immunoblotting.
<b>Reactivity:</b>	Bovine, Mammalian
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<b>Clonality:</b>	Monoclonal
<b>Specificity:</b>	This antibody recognises the heavy chain of kinesin toward the N-terminus.
<b>Formulation:</b>	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified Ig
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	kinesin family member 5B
<b>Database Link:</b>	<a href="#">P33176</a>



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**Background:**

Kinesins are microtubule associated motor proteins, responsible for converting nucleoside triphosphate released energy into mechanical energy. Kinesin-1 exists as a homodimer of 120-130kDa chains, known as heavy chains. Associated with this dimer when purified from brain homogenates are light chains of 60-70kDa. The light chains are involved in binding of kinesin to organelles and appear to have regulatory functions. They are not essential for motility generation.

**Synonyms:**

KIF5B, KNS, KNS1, Kinesin-1 heavy chain, Ubiquitous kinesin heavy chain, UKHC, Conventional kinesin heavy chain