

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Numb.
Source	Monoclonal Mouse IgG _{2B} Clone # 447716
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Numb Thr356-Leu592 Accession # AAH68476
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

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

BACKGROUND

Numb is a member of a family of cytoplasmic adaptor proteins termed CLASPS (Clathran-associated Sorting Proteins). These link transmembrane cargo proteins to the endocytic machinery. Numb, a conserved cell-fate determining factor, is normally associated with the basolateral surface of polarized cells. Movement towards the apical surface induces its phosphorylation, which precludes its entry into this region. Human Numb is 651 amino acids (aa) in length. It contains one PTB (aa 24-172) and one PRR (aa 366-413) domain. There is a potential for multiple alternate splice forms that involve all regions of the molecule. Over aa 356-592, human Numb shares 88% and 90% aa identity with mouse and canine Numb, respectively.

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