

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human APH1A in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 665404
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human APH1A synthetic peptide SSFERFEIFPKHVTDRSDARLQY Accession # Q96BI3
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Immunohistochemistry 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

Anterior pharynx-defective 1 (APH1A) is a widely expressed 36 kDa 7-transmembrane protein found in the endoplasmic reticulum and Golgi. APH1A is a component of the gamma secretase proteolytic complex which cleaves multiple substrates within their transmembrane domains. This activity liberates the intracellular domains of ErbB4, Neuregulin-1, and Notch receptors in addition to the A-beta peptide from the amyloid precursor protein (APP). Alternate splicing generates a short isoform of human APH1A that lacks 18 amino acids at the C-terminus. Within aa 58-69, human APH1A shares 100% aa sequence identity with mouse and rat APH1A.

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