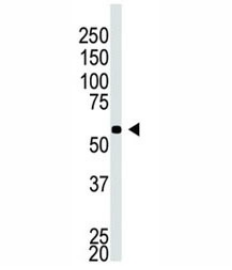
BACE2C Antibody (F40129)

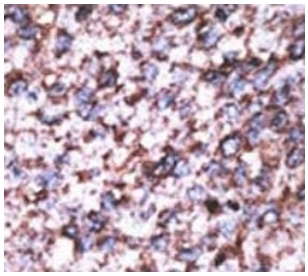
Catalog No.	Formulation	Size
F40129-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40129-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9Y5Z0
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This BACE2C antibody is available for research use only.



Western blot testing of BACE2C antibody and A549 cell lysate



IHC analysis of FFPE human hepatocarcinoma stained with the BACE2C antibody

Description

Amyloid-beta peptide aggregation is a signature of Alzheimer disease and a frequent complication of adult Down syndrome patients. Amyloid-beta is generated by proteolytic processing of the amyloid precursor protein (APP) by beta- and gamma-secretase at the N and C termini, respectively. Presenilin-1 is involved in the gamma-secretase activity. BACE is a transmembrane aspartyl protease with beta-secretase activity. BACE2, also termed ALP56 has 2 pepsin-like active centers, a signal sequence, a propeptide, and a long C-terminal extension including a transmembrane domain, with expression in a wide array of tissues. Northern blot analysis revealed low expression of 2.0- and 2.6-kb BACE2 transcripts in most fetal and adult tissues, with higher expression in adult colon, kidney, pancreas, placenta, prostate, stomach, and trachea. Low levels were also detected in brain, with somewhat higher expression in medulla and spinal cord. In situ hybridization analysis of rat brain found low-level BACE2 expression in contrast to BACE expression. The BACE2 expression pattern does not appear to be consistent with that of a beta-secretase. BACE2 has been mapped to 21q22.3, within the Down syndrome critical region.

Application Notes

Titration of the BACE2C antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 310-339 from the human protein was used as the immunogen for this BACE2C antibody.

Storage

Aliquot the BACE2C antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com