

FAM80A Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03154
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human RIMKA. AA range:112-161
Mol wt	42864
Species reactivity	Human, Mouse, Monkey
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	FAM80A Antibody
Synonyms	RIMKLA; FAM80A; N-acetylaspartyl-glutamate synthetase A; NAAG synthetase A; NAAGS; Ribosomal protein S6 modification-like protein A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

RIMKLA (N-acetylaspartyl-glutamate synthetase A) is a 391 amino acid protein that belongs to the rimK family. Localizing to cytoplasm, RIMKLA contains one ATP-grasp domain and binds two manganese ions per subunit. RIMKLA catalyzes the synthesis of N-acetylaspartyl-glutamate (NAAG). RIMKLA, is almost exclusively expressed in the CNS, whereas RIMKLB, which shares 65% sequence identity with RIMKLA, is expressed in CNS and testis. It has also been suggested that RIMKLA and RIMKLB also served to ligate free glutamate to (an) acceptor (s). RIMKLA catalyzed the ATP-dependent synthesis of N-acetylaspartylglutamate (NAAG) from N-acetylaspartate and L-glutamate. RIMKLB catalyzed this reaction as well as the synthesis of β -citrylglutamate. The RIMKLA gene is conserved in chimpanzee, dog, cow and mouse, and maps to human chromosome 1p34.2.

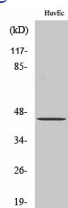
Recommended Dilution

WB: 1: 500 - 1: 2000

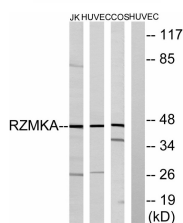
ELISA: 1: 20000

Not yet tested in other applications.

Images



Western Blot analysis of various cells using FAM80A Polyclonal Antibody



Western blot analysis of lysates from HUVEC, COS, and Jurkat cells, using RIMKA Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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