

Datasheet for ABIN462094  
**anti-RAB3A antibody (AA 202-217)**

## 3 Images

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## Overview

Quantity:	50 µg
Target:	RAB3A
Binding Specificity:	AA 202-217
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAB3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	<p>A 16 residue synthetic peptide (C)KQGPQLSDQQVPPHQD based on the human Rab3A (residues 202-217) with the cysteine (C) residue added and the peptide coupled to KLH. Percent identity by BLAST analysis: Human, Gorilla, Monkey, Marmoset (100%), Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Bovine, Horse, Pig, Opossum, Platypus, Xenopus (88%).</p> <p>Type of Immunogen: Synthetic peptide - KLH conjugated</p>
Specificity:	Detects an ~25 kD protein, corresponding to the apparent molecular mass of Rab3A on SDS-PAGE immunoblots, in samples from mouse and rat origins. The antibody specificity is confirmed in peptide inhibition immunoblotting studies.

## Product Details

Predicted Reactivity: Percent identity by BLAST analysis: Human, Gorilla, Monkey, Marmoset (100%) Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Bovine, Horse, Pig, Opossum, Platypus, Xenopus (88%).

Purification: Immunoaffinity purified

## Target Details

Target: RAB3A

Alternative Name: RAB3A ([RAB3A Products](#))

Background: Name/Gene ID: RAB3A  
Subfamily: RAS oncogene  
Family: Ras GTPase superfamily IPR001806  
  
Synonyms: RAB3A, RAS-associated protein RAB3A, Ras-related protein Rab-3A

Gene ID: 5864

UniProt: [P20336](#)

Pathways: [Synaptic Membrane](#), [Synaptic Vesicle Exocytosis](#), [Dicarboxylic Acid Transport](#)

## Application Details

Application Notes: Approved: IHC, IHC-P (10 µg/mL), WB (1 - 2 µg/mL)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 10 µg/mL.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

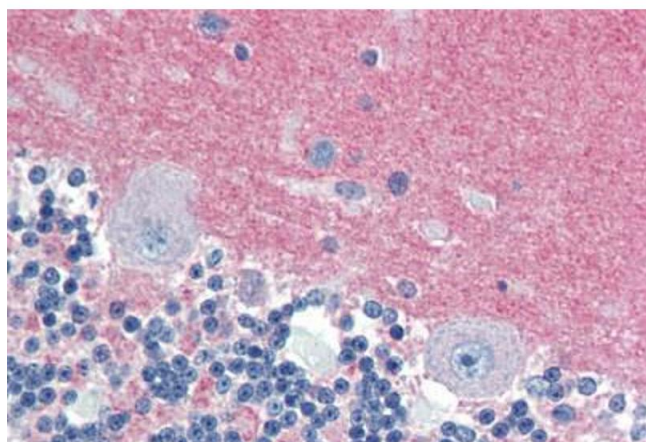
## Handling

Format: Liquid

## Handling

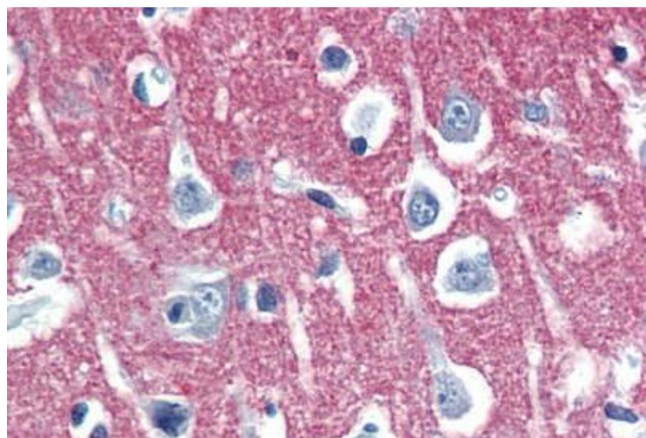
Concentration:	Lot specific
Buffer:	Borate buffered saline, pH 8.2 (25 mM sodium borate, 100 mM boric acid, 75 mM NaCl, 5 mM EDTA (disodium salt))
Handling Advice:	avoid freeze thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short term 4°C, long term aliquot and store at -20°C, avoid freeze-thaw cycles.

## Images



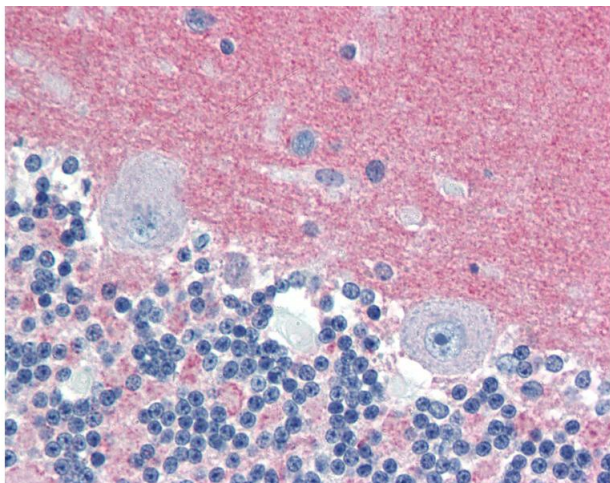
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Human Brain, Cerebellum (formalin-fixed, paraffin-embedded) stained with RAB3A antibody ABIN462094 at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Human Brain, Cortex (formalin-fixed, paraffin-embedded) stained with RAB3A antibody ABIN462094 at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



#### Immunohistochemistry

**Image 3.** Anti-RAB3A antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.