

Raf-B (phospho Thr401) (PT0329R) PT™ Rabbit mAb

CatalogNo: YM8194 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 84kD (Calculated)
- 84kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1:1000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Basic Information

Clonality Monoclonal**Clone Number** PT0329R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.**Specificity** This antibody detects endogenous levels of Raf-B only when phosphorylated at Thr401. This antibody does not recognize phosphorylated at other sites.

Target Information

Gene name BRAF

Protein Name Serine/threonine-protein kinase B-raf

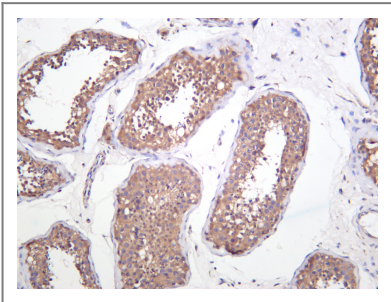
Organism	Gene ID	UniProt ID
Human	673 ;	P15056 ;
Mouse	109880 ;	P28028 ;

Cellular Localization Cytoplasm,Nucleus

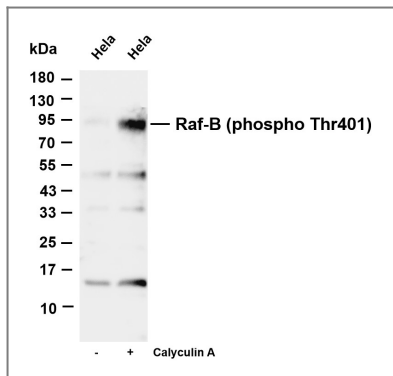
Tissue specificity Brain and testis.

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Binds 2 zinc ions per subunit.,Disease:Defects in BRAF are a cause of cardiofaciocutaneous syndrome (CFC syndrome) [MIM:115150]; also known as cardio-facio-cutaneous syndrome. CFC syndrome is characterized by a distinctive facial appearance, heart defects and mental retardation. Heart defects include pulmonic stenosis, atrial septal defects and hypertrophic cardiomyopathy. Some affected individuals present with ectodermal abnormalities such as sparse, friable hair, hyperkeratotic skin lesions and a generalized ichthyosis-like condition. Typical facial features are similar to Noonan syndrome. They include high forehead with bitemporal constriction, hypoplastic supraorbital ridges, downslanting palpebral fissures, a depressed nasal bridge, and posteriorly angulated ears with prominent helices. The inheritance of CFC syndrome is autosomal dominant.,Disease:Defects in BRAF are involved in a wide range of cancers.,Disease:Defects in BRAF are involved in lung cancer [MIM:211980].,Disease:Defects in BRAF are involved in non-Hodgkin lymphoma (NHL) [MIM:605027]. NHL is a cancer that starts in cells of the lymph system, which is part of the body's immune system. NHLs can occur at any age and are often marked by enlarged lymph nodes, fever and weight loss.,Disease:Defects in BRAF may be a cause of colorectal cancer (CRC) [MIM:114500].,Function:Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May play a role in the postsynaptic responses of hippocampal neuron.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. RAF subfamily.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 RBD (Ras-binding) domain.,subunit:Interacts with RIT1.,tissue specificity:Brain and testis.,

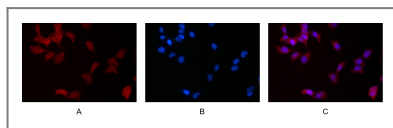
Validation Data



Human testis was stained with anti-Raf-B (phospho Thr401) rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Raf-B (phospho Thr401) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HeLa was starved of serum for 24 hours and then treated with 20% fetal bovine serum for 15 minutes, followed by Calyculin A treatment for 15 minutes Predicted band size: 84kDa Observed band size: 84kDa



Immunofluorescence analysis of HEK293. Picture A: Raf-B antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

Contact information

Orders: order@immunoway.com
 Support: tech@immunoway.com
 Telephone: 877-594-3616 (Toll Free), 408-747-0185
 Website: <http://www.immunoway.com>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
Raf-B (phospho Thr401) (PT0329R) PT™ Rabbit mAb

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