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Product datasheet for TA328083

B Raf (BRAF) Rabbit Polyclonal Antibody [Clone ID: Poly6327]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Poly6327
Applications:	IF, IHC
Recommended Dilution:	IF, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Modified synthetic peptide FGLATVKSRWSGS
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Purification:	The antibody was purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	84 kD
Gene Name:	B-Raf proto-oncogene, serine/threonine kinase
Database Link:	NP_004324 Entrez Gene 673 Human P15056

View online »

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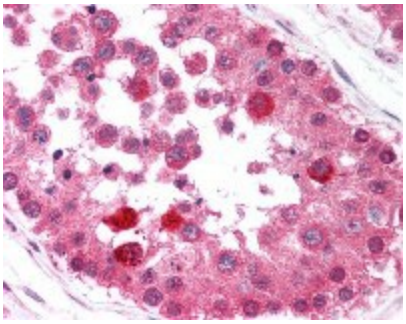
Background: The Raf proteins are a family of serine/threonine-specific kinases that serve as a central intermediate in transmitting extracellular signals to the mitogen-activated protein kinase cascade, which controls cell growth, differentiation and survival. Three isoforms of Raf proteins have been found in mammalian cells: Raf-1, A-Raf and B-Raf. The B-raf involved in signal transduction from the membrane to the nucleus. It has been reported that T598 and S601 are the major phosphorylation sites of B-Raf in response to oncogenic Ras, and phosphorylation of these two residues is required for full activation of B-Raf. Mutations in the B-Raf gene have been reported in a number of human cancers, including malignant melanoma, thyroid cancer, and colorectal carcinoma. The poly6327 antibody recognizes human phosphorylated B-Raf (Thr598/Ser601) and has been shown to be useful for immunoflorence staining.

Synonyms: B-raf; B-RAF1; BRAF1; NS7; RAFB1

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Acute myeloid leukemia, Bladder cancer, Chemokine signaling pathway, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Focal adhesion, Glioma, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanoma, mTOR signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, Thyroid cancer, Vascular smooth muscle contraction

Product images:



Formalin-fixed paraffin-embedded human testis tissue was stained with Poly6327 and developed with an alkaline phosphatase chromogen substate (red color). Tissue was counterstained with H&E (blue/pink). Magnification, 40X.

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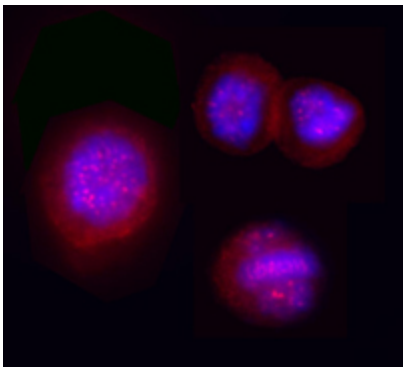

Overnight nocodazole treated Hela cells stained with purified rabbit polyclonal antibody against Thr598/Ser601 phosphorylated B-Raf, followed by Rhodamine Red-X conjugated goat anti-rabbit IgG and DAPI.

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