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Product datasheet for TA592461

B Raf (BRAF) Mutant (V600E) Rabbit Monoclonal Antibody [Clone ID: OTIR1F3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIR1F3
Applications:	IHC, WB
Recommended Dilution:	WB 1:500
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human BRAF V600E (NP_004324). The exact sequence is proprietary.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Gene Name:	B-Raf proto-oncogene, serine/threonine kinase
Database Link:	NP_004324 Entrez Gene 673 Human P15056

View online »

Background: This gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene, most commonly the V600E mutation, are the most frequently identified cancer-causing mutations in melanoma, and have been identified in various other cancers as well, including non-Hodgkin lymphoma, colorectal cancer, thyroid carcinoma, non-small cell lung carcinoma, hairy cell leukemia and adenocarcinoma of lung. Mutations in this gene are also associated with cardiofaciocutaneous, Noonan, and Costello syndromes, which exhibit overlapping phenotypes. A pseudogene of this gene has been identified on the X chromosome. [provided by RefSeq, Aug 2017]

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:

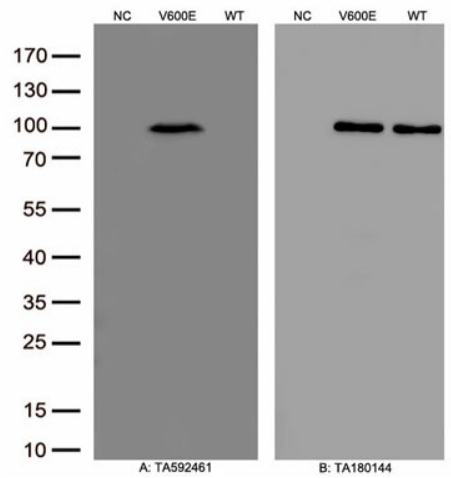
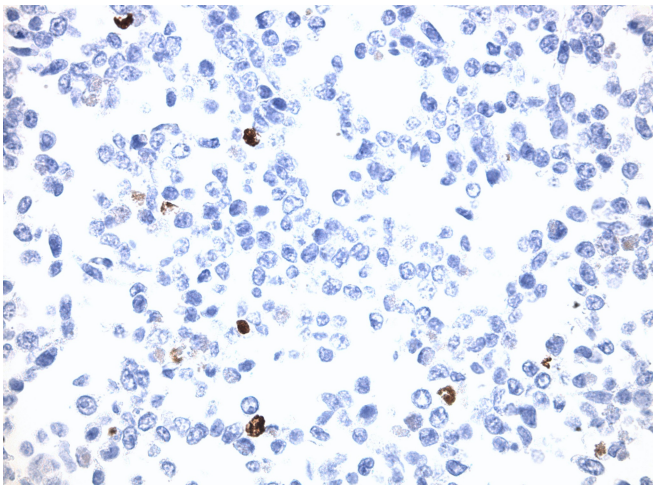
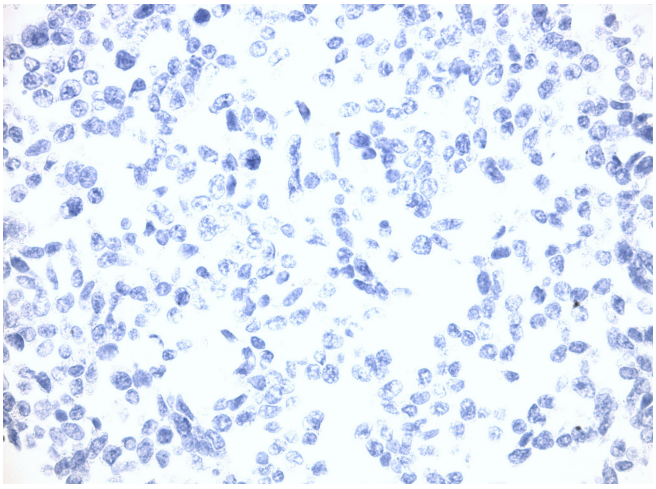


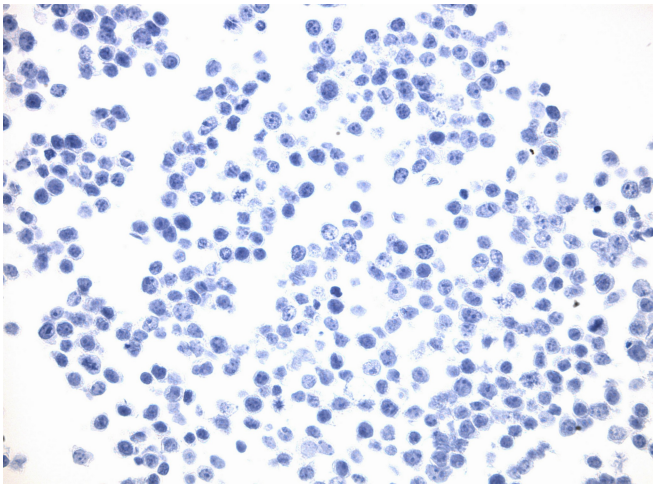
Figure A, Western blot analysis of overexpressed lysate from HEK293T cells transfected with empty plasmid ([PS100001], lane NC) , BRAF V600E mutant plasmid ([RC400155], lane V600E) and BRAF wild type plasmid ([RC211013], lane WT) using anti-BRAF V600E antibody TA592461 (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



Immunohistology staining on BRAF mutant (V600E) overexpressed cytosection [TS600155P5] with rabbit anti BRAF (V600E) clone OTIR1F3 C/N TA592461 at 1:2000 dilution 20m RT. Antibody staining was achieved with HIER Citrate pH6 , Polink1 with DAB chromogen detection kit ([D11-18]). Positive stain shown with the brown chromogen present. HEK293T cells were transfected with cDNA clone [RC400155], 5 micron sections, 40x magnification



Immunohistology staining on BRAF overexpressed cytosection [TS411013P5] with rabbit anti BRAF (V600E) clone OTIR1F3 C/N TA592461 at 1:2000 dilution 20m RT. Antibody staining was achieved with HIER Citrate pH6 , Polink1 with DAB chromogen detection kit ([D11-18]). Positive stain shown with the brown chromogen present. HEK293T cells were transfected with cDNA clone [RC400155], 5 micron sections, 40x magnification



Immunohistology staining on Negative Control overexpressed cytosection [TC400001] with rabbit anti BRAF (V600E) clone OTIR1F3 C/N TA592461 at 1:2000 dilution 20m RT. Antibody staining was achieved with HIER Citrate pH6 , Polink1 with DAB chromogen detection kit ([D11-18]). Positive stain shown with the brown chromogen present. 5 micron sections, 40x magnification