

Anti-Phospho-BRAF (Thr401) Antibody (6W728)

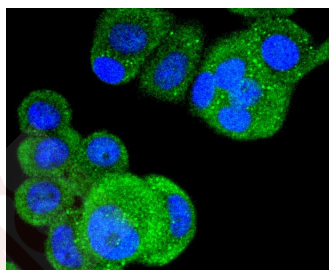
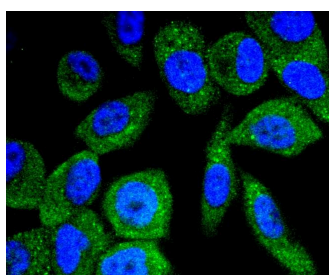
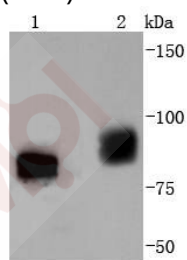
Product Details

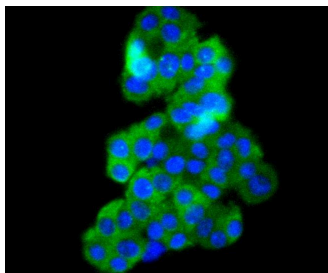
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 84 kDa.
Clone:	6W728
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of Phospho-B Raf (T401) on different lysates using anti-Phospho-B Raf (T401) antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse testis, Lane 2: PC-12.
2. ICC staining Phospho-B Raf (T401) in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
3. ICC staining Phospho-B Raf (T401) in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining Phospho-B Raf (T401) in PC-12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC,IP,WB

Recommended WB: 1:1000-5000; ICC: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized phosphopeptide: human B Raf around the phosphorylation site of Thr401

Antigen Species: Human

Uniprot ID: P15056

Synonyms: p-BRAF (T401);BRAF (p-T401);p-BRAF (Thr401);BRAF (p-Thr401)

Research Background

Several serine/threonine protein kinases have been implicated as intermediates in signal transduction pathways. These include ERK/MAP kinases, ribosomal S6 kinase (Rsk) and Raf-1. Raf-1 is a cytoplasmic protein with intrinsic serine/threonine activity. It is broadly expressed in nearly all cell lines tested to date and is the cellular homolog of v-Raf, the product of the transforming gene of the 3611 strain of murine sarcoma virus. The unregulated kinase activity of the v-Raf protein has been associated with transformation and mitogenesis, while the activity of Raf-1 is normally suppressed by a regulatory N-terminal domain. Raf-A, a second member of the Raf gene family of serine/threonine protein kinases, exhibits substantial homology to Raf-1 within the kinase domain of the two molecules, but less homology elsewhere. Expression of Raf-B is highly restricted, with highest levels in the cerebrum and testis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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