

Product datasheet for **AP06500PU-N**

B Raf (BRAF) Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | Western Blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/200. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide, corresponding to amino acids 560-610 of Human Raf-B. |
| Specificity: | This antibody detects endogenous levels of B-Raf protein. (region surrounding Ala597) |
| Formulation: | Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity Chromatography using epitope-specific immunogen |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: One year from despatch. |
| Predicted Protein Size: | ~86 kDa |
| Gene Name: | B-Raf proto-oncogene, serine/threonine kinase |
| Database Link: | Entrez Gene 673 Human P15056 |



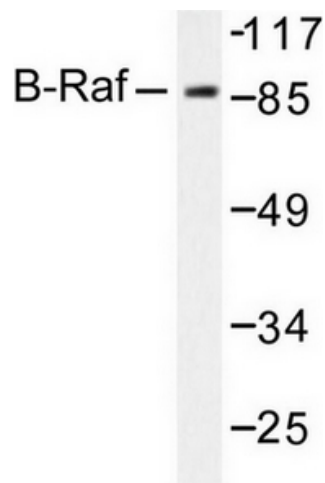
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Background:

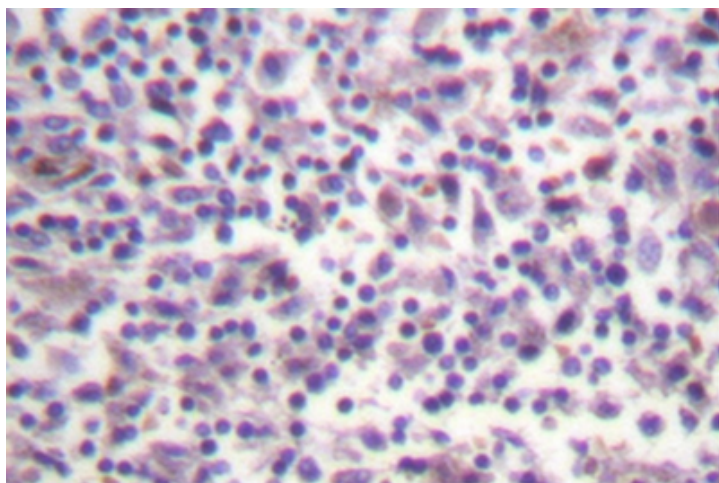
Several serine/threonine protein kinases have been implicated as intermediates in signal transduction pathways. These include ERK/MAP kinases, ribosomal S6 kinase (Rsk) and Raf-1. Raf-1 is a cytoplasmic protein with intrinsic serine/threonine activity. It is broadly expressed in nearly all cell lines 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.

Synonyms:

BRAF, BRAF1, RAFB1, p94

Product images:

Western blot analysis of B-Raf Antibody in extracts from K562 cells.



Immunohistochemistry analysis of B-Raf Antibody in paraffin-embedded Human breast carcinoma tissue.