

## Product datasheet for **AM06163SU-N**

### Brk (PTK6) Mouse Monoclonal Antibody [Clone ID: 2H12B8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2H12B8
Applications:	WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human PTK6 expressed in E. Coli.
Specificity:	Recognizes PTK6
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	protein tyrosine kinase 6
Database Link:	<a href="#">Entrez Gene 5753 Human Q13882</a>



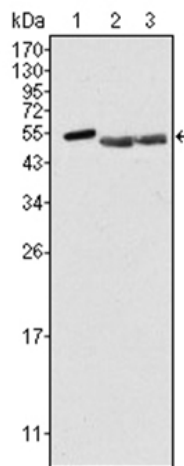
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**Background:**

PTK6 (protein tyrosine kinase 6, BRK or FLJ42088), with 451-amino acid protein (about 52kDa), encodes a cytoplasmic nonreceptor protein kinase which may function as an intracellular signal transducer in epithelial tissues. Its presence in the nucleus appears to be linked to suppression of tumor progression. The encoded protein has been shown to undergo autophosphorylation. Very high level in colon and high levels in small intestine and prostate, and low levels in some fetal tissues. And Expressed at low level in some breast tumors, but not in normal breast. Also found in melanocytes, but not expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Overexpression of this gene in mammary epithelial cells leads to sensitization of the cells to epidermal growth factor and results in a partially transformed phenotype.

**Synonyms:**

Tyrosine-protein kinase 6, Breast tumor kinase

**Product images:**

Western blot analysis using PTK6 antibody Cat.-No AM06163SU-N against HeLa (1), A549 (2) and MCF-7 (3) cell lysate.