

Product datasheet for **AM20211PU-N**

Brk (PTK6) Mouse Monoclonal Antibody [Clone ID: 24B7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	24B7
Applications:	WB
Recommended Dilution:	Immunoblotting: 0.5 µg/ml for HRPO/ECL detection. <i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer. <i>Included Positive Control:</i> Cell lysate from untreated MDA-MB 468 cells (See Protocols for more details).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Peptide conjugated to hemocyanin. Epitope: Internal peptide derived from BRK/PTK6 sequence
Specificity:	Recognizes BRK/PTK6
Formulation:	PBS containing 0.09% Sodium Azide, PEG, Sucrose and 50% Glycerol. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Subsequent Ultrafiltration and Size Exclusion Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody in aliquots) at -20°C. Avoid repeated freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein tyrosine kinase 6
Database Link:	Entrez Gene 5753 Human Q13882



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Background:	This protein encoded is a cytoplasmic nonreceptor protein kinase which may function as an intracellular signal transducer in epithelial tissues. 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. Expression of this gene has been detected at low levels in some breast tumors but not in normal breast tissue. Its presence in the nucleus appears to be linked to suppression of tumor progression. The encoded protein has been shown to undergo autophosphorylation.
Synonyms:	Tyrosine-protein kinase 6, Breast tumor kinase
Note:	Molecular Weight: 52 kDa Protocol: Positive Control: Cell lysate from untreated MDA-MB-468 cells, breast adenocarcinoma (Human) Format: Lyophilized cell lysate from serum starved MDA-MB-468 cells. Reconstitution: Restore by addition of 200 μ l H ₂ O. After complete solubilization add 200 μ l 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min. Application: The positive control cell lysate is recommended for immunoblot applications. 20 μ l of positive control cell lysate correspond to ca. 20,000 cells. Use 20 μ l/lane (mini gel) for HRPO/ECL detection of the target proteins. Please NOTE: The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as in immunoprecipitation. Storage: Aliquote reconstituted product and store frozen. Avoid repeated freezing and thawing.
Protein Families:	Druggable Genome, Protein Kinase, Secreted Protein