

AM20211PU-N**Monoclonal Antibody to PTK6 / BRK - Purified**

Alternate names:	Breast tumor kinase, Tyrosine-protein kinase 6, Tyrosine-protein kinase BRK
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
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.
Uniprot ID:	Q13882
NCBI:	NP_005966
GeneID:	5753
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	24B7
Immunogen:	Peptide conjugated to hemocyanin. Epitope: Internal peptide derived from BRK/PTK6 sequence
Format:	State: Liquid purified IgG fraction. Purification: Subsequent Ultrafiltration and Size Exclusion Chromatography. Buffer System: PBS containing 0.09% Sodium Azide, PEG, Sucrose and 50% Glycerol.
Applications:	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 Potitive Control:</i> Cell lysate from untreated MDA-MB 468 cells (See Protocols for more details). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes BRK/PTK6 Species: Human. Other species not tested.
Add. Information:	Molecular Weight: 52 kDa
Storage:	Store the antibody in aliquots) at -20°C. Avoid repeated freeze-thaw cycles. Shelf life: one year from despatch.

Protocols:

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 µl H₂O. After complete solubilization add 200 µl 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 µl of positive control cell lysate correspond to ca. 20.000 cells. Use 20 µl/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.