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FRK Antibody (clone 1A8H2C12)

Mouse Monoclonal Antibody
Catalog # ALS13150

Specification

FRK Antibody (clone 1A8H2C12) - Product Information

Application	**IHC**
Primary Accession	P42685
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**58kDa KDa**

FRK Antibody (clone 1A8H2C12) - Additional Information

Gene ID 2444

Other Names
Tyrosine-protein kinase FRK, 2.7.10.2, FYN-related kinase, Nuclear tyrosine protein kinase RAK, Protein-tyrosine kinase 5, FRK, PTK5, RAK

Target/Specificity
Human FRK

Reconstitution & Storage
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
FRK Antibody (clone 1A8H2C12) is for research use only and not for use in diagnostic or therapeutic procedures.

FRK Antibody (clone 1A8H2C12) - Protein Information

Name FRK

Synonyms PTK5, RAK

Function
Non-receptor tyrosine-protein kinase that negatively regulates cell proliferation. Positively regulates PTEN protein stability through phosphorylation of PTEN on 'Tyr-336', which in turn prevents its ubiquitination and degradation, possibly by reducing its binding to NEDD4. May function as a tumor suppressor.

Cellular Location
Cytoplasm. Nucleus. Note=Predominantly found in the nucleus, with a small fraction found in the cell periphery

Tissue Location

Predominantly expressed in epithelial derived cell lines and tissues, especially normal liver, kidney, breast and colon

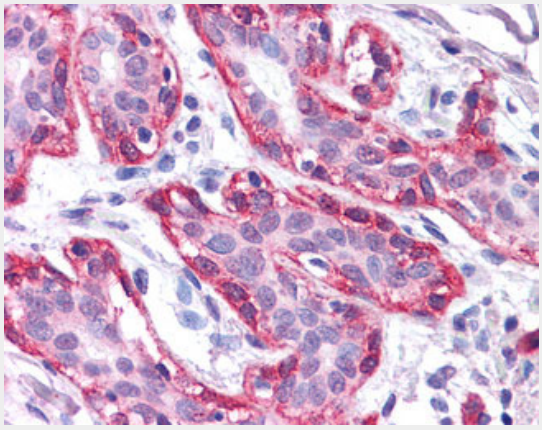
Volume
50 µl

FRK Antibody (clone 1A8H2C12) - Protocols

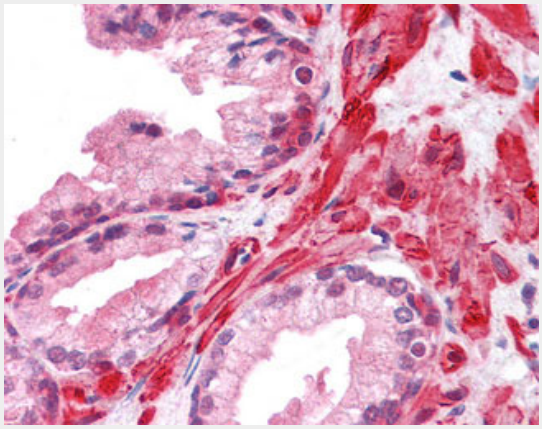
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FRK Antibody (clone 1A8H2C12) - Images



Anti-FRK antibody IHC of human breast.



Anti-FRK antibody IHC of human prostate.

FRK Antibody (clone 1A8H2C12) - Background

Non-receptor tyrosine-protein kinase that negatively regulates cell proliferation. Positively regulates PTEN protein stability through phosphorylation of PTEN on 'Tyr-336', which in turn prevents its ubiquitination and degradation, possibly by reducing its binding to NEDD4. May function as a tumor suppressor.

FRK Antibody (clone 1A8H2C12) - References

Cance W.G.,et al.Cell Growth Differ. 5:1347-1355(1994).
Lee J.,et al.Gene 138:247-251(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.