

Product datasheet for **AM06251SU-N**

FRK Mouse Monoclonal Antibody [Clone ID: 1A8H2C12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1A8H2C12
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western blot: 1/500-1/2000. Immunohistochemistry on Paraffin Sections: 1/200-1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of FRK (aa2-300) expressed in E. Coli.
Specificity:	Recognizes FRK.
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:	fyn related Src family tyrosine kinase
Database Link:	Entrez Gene 2444 Human P42685



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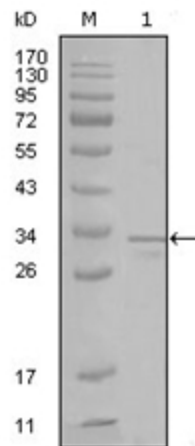
Background:

Src is the human homolog of the v-src gene of the Rous sarcoma virus, also known as avian sarcoma virus or ASV. Src is the first proto-oncogenic nonreceptor tyrosine kinase characterized in human. By virtue of common structural motifs, the Src family is composed of nine members in vertebrates, including Src, Yes, Fgr, Frk, Fyn, Lyn, Hck, Lck and Blk. Src-family kinases transduce signals that are involved in the control of a variety of cellular processes, including proliferation, differentiation, motility, and adhesion. Src-family kinases contain an amino terminal cell membrane anchor followed by an SH3 domain and an SH2 domain involved in modular association and activation, respectively. Frk (Rak) is an epithelial tissue-specific kinase. The human Rak gene maps to chromosome 6q21-q22.3 and encodes a 505 amino acid protein.

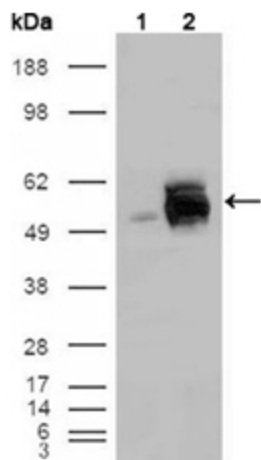
The protein encoded by this gene belongs to the TYR family of protein kinases. This tyrosine kinase is a nuclear protein and may function during G1 and S phase of the cell cycle and suppress growth.

Synonyms:

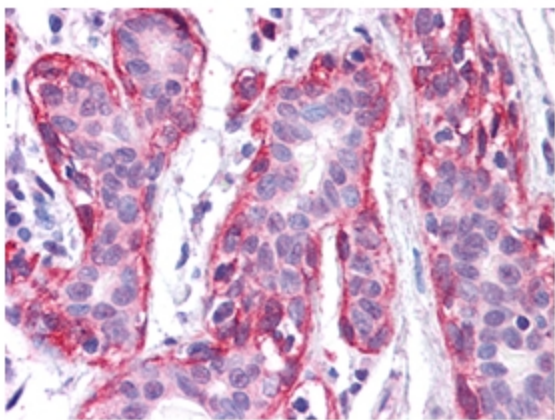
RAK, FYN-related kinase

Product images:

Western blot analysis using FRK antibody Cat.-No AM06251SU-N against truncated FRK-His recombinant protein (Lane 1).



Western blot analysis using FRK antibody Cat.-No AM06251SU-N against HEK293T cells transfected with the pCMV6-ENTRY control (Lane 1) and pCMV6-ENTRY FRK cDNA (Lane 2).



Immunohistochemical analysis of paraffin-embedded human Breast tissues using FRK antibody Cat.-No AM06251SU-N