

## Product datasheet for **TA348939**

### FGF 23 (FGF23) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.1-0.3 ug/ml
Reactivity:	Human (Expected from sequence similarity: Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-AIFM1 (aa183-195) Antibody: Peptide with sequence C-DDPNVTKTLRFKQ, from the internal region of the protein sequence according to NP_004199.1; NP_665811.1; NP_001124319.1.
Formulation:	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	fibroblast growth factor 23
Database Link:	<a href="#">NP_065689</a> <a href="#">Entrez Gene 8074 Human</a> <a href="#">Q9GZV9</a>



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**Background:**

This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells, and it is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it affects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Mutations in this gene cause combined oxidative phosphorylation deficiency 6, which results in a severe mitochondrial encephalomyopathy. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 10. [provided by RefSeq, May 2010]

**Synonyms:**

ADHR; FGFN; HPDR2; HYPF; PHPTC

**Note:**

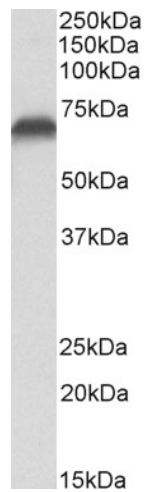
This antibody is expected to recognize isoform 1 (NP\_004199.1), isoform 2 (NP\_665811.1) and isoform 5 (NP\_001124319).

**Protein Families:**

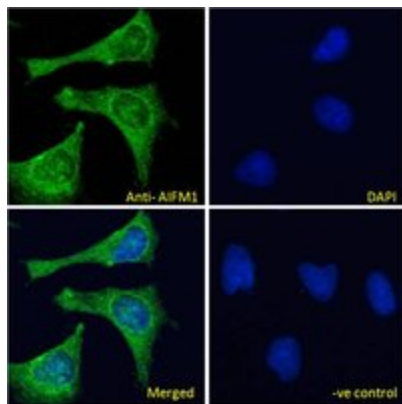
Druggable Genome, Secreted Protein

**Protein Pathways:**

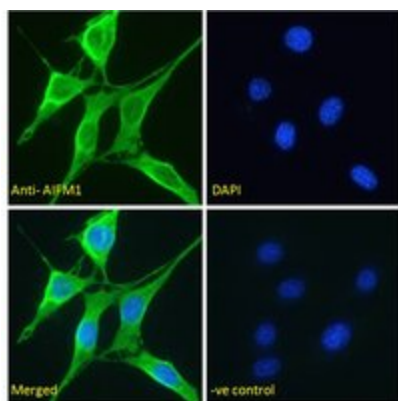
MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

**Product images:**


TA348939 (0.1 ug/ml) staining of Jurkat lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA348939 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing Mitochondrial staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



TA348939 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1 hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Mitochondrial staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).