OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA392592S

IFNA13 (IFNA1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1:500~1:1000 IF: 1:50~1:200
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human IFN-α.
Specificity:	IFN-α polyclonal antibody detects endogenous levels of IFN-α protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 19 kDa
Gene Name:	interferon, alpha 1
Database Link:	Entrez Gene 3439 Human P01562

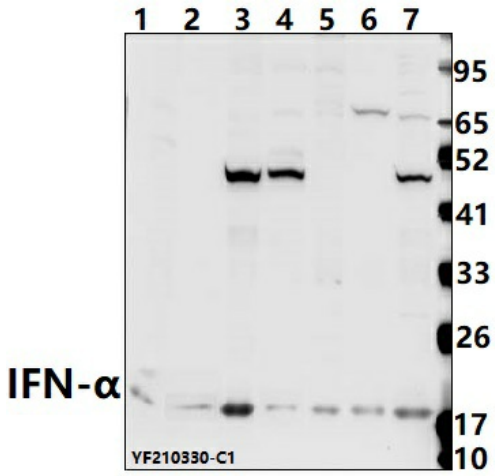
View online »

Background: Interferons (IFNs) appear both locally and systematically early after viral infection and participate in limiting the spread of infection. They also affect cell differentiation, growth, surface antigen expression and immunoregulation. There are three naturally occurring interferons: α, β and γ. IFN-α is derived from lymphoblastic tissue and has a number of therapeutic applications in the treatment of various human cancers and diseases of viral origin. Recombinant IFN-α from both natural and synthetic genes binds to a common cell surface receptor and induces antiviral activity in a variety of cell lines. When binding to discrete cell surface receptors on target cells, IFN-α induces rapid changes in Jak/Stat phosphorylation, which initiates the Jak/Stat signaling pathway. IFN-α signaling also involves production of DAG without an increased intracellular free calcium concentration and the subsequent activation of calcium-independent isoforms of PKC (β and ε). All IFN-α signaling pathways lead to final alterations of gene expression, which mediate their pleiotropic biologic activities.

Synonyms: Aldehyde oxidase; Aldehyde oxidase 1; AOX1; Azaheterocycle hydroxylase

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of IFN-α polyclonal antibody at 1:500 dilution Lane1:The testis tissue lysate of Mouse(20ug) Lane2:The spleen tissue lysate of Rat(20ug) Lane3:A549 whole cell lysate(40ug) Lane4:U-87MG whole cell lysate(40ug) Lane5:C6 whole cell lysate(40ug) Lane6:BV2 whole cell lysate(40ug) Lane7:PC3 whole cell lysate(40ug)