

Datasheet for ABIN563027
anti-STAT3 antibody (AA 1-769)



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4 Images

Overview

Quantity:	100 µg
Target:	STAT3
Binding Specificity:	AA 1-769
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant STAT3.
Immunogen:	STAT3 (AAH00627, 1 a.a. ~ 769 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MAQWNQLQQL DTRYLEQLHQ LYSDSFPMEL RQFLAPWIES QDWAYAASKE SHATLVFHNL LGEIDQQYSR FLQESNVLYQ HNLRRIKQFL QSRYLEKPME IARIVARCLW EESRLLQTAA TAAQGGGQAN HPTAAVVTEK QQMLEQHLQD VRKRVQDLEQ KMKVVENLQD DFDFNYKTLK SQGDMQDLNG NNQSVTRQKM QQLEQMLTAL DQMRRSIVSE LAGLLSAMEY VQKTLTDEEL ADWKRRQQA CIGGPPNICL DRLENWITSL AESQLQTRQQ IKKLEELQK VSYKGDPVQ HRPMLEERIV ELFRNLMKSA FVVERQPCMP MHPDRPLVIK TGVQFTTKVR LLVKFPELNY QLKIKVCIDK DSGDVAALRG SRKFNILGTN TKVMNMEESN NGSLSAEFKH LTLREQRCGN GGRANCDASL IVTEELHLIT FETEVYHQGL KIDLETHSLP VVVISNICQM PNAWASILWY NMLTNNPKNV NFFTKPIGT WDQVAEVLWS QFSSTTKRGL SIEQLTTLAE KLLGPGVNY

Product Details

GCQITWAKFC KENMAGKGFS FWVWLDNIID LVKKYILALW NEGYIMGFIS KERERAILST
KPPGTFLLR F SESSKEGGVT FTWVEKDISG KTQIQSVEPY TKQQLNNMSF AEIIMGYKIM
DATNILVSPL VYLYPDIPKE EAFGKYCRPE SQEHPEADPG AAPYLKTKFI CVTPPTCSNT
IDLPMSPRTL DSLMQFGNNG EGAEPSAGGQ FESLTFDMEL TSECATSPM

Clone:	1D11-2A11
Isotype:	IgG2b
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

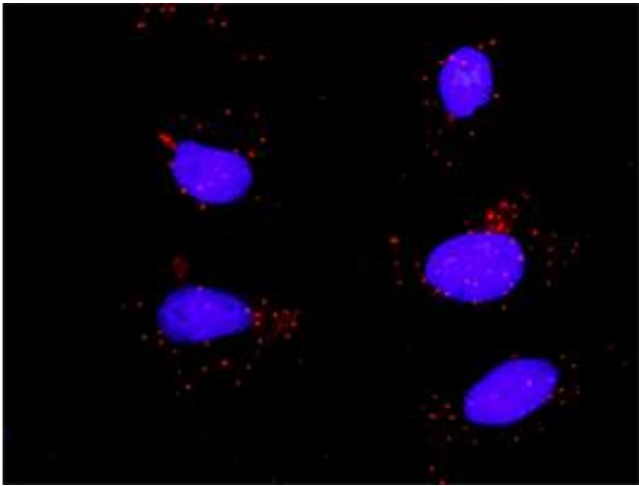
Target:	STAT3
Alternative Name:	STAT3 (STAT3 Products)
Background:	Full Gene Name: signal transducer and activator of transcription 3 (acute-phase response factor) Synonyms: APRF,FLJ20882,HIES,MGC16063
Gene ID:	6774
Pathways:	JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Neurotrophin Signaling Pathway , Dopaminergic Neurogenesis , Response to Growth Hormone Stimulus , Carbohydrate Homeostasis , Stem Cell Maintenance , Hepatitis C , Protein targeting to Nucleus , Feeding Behaviour , CXCR4-mediated Signaling Events , Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

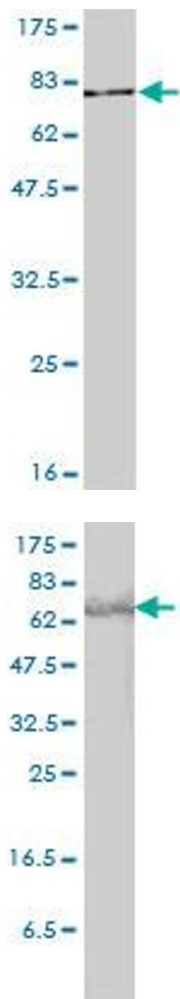
Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.



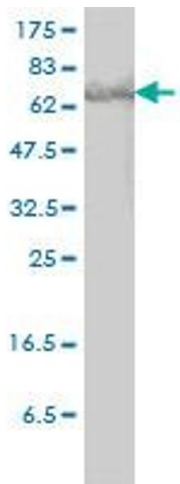
Proximity Ligation Assay

Image 1. Proximity Ligation Analysis of protein-protein interactions between STAT1 and STAT3. HeLa cells were stained with anti-STAT1 rabbit purified polyclonal 1:1200 and anti-STAT3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blotting

Image 2. STAT3 monoclonal antibody (M01), clone 1D11-2A11. Western Blot analysis of STAT3 expression in K-562 .



Western Blotting

Image 3. STAT3 monoclonal antibody (M01), clone 1D11-2A11 Western Blot analysis of STAT3 expression in HeLa .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN563027.