

Datasheet for ABIN126899

anti-STAT3 antibody (phosphorylated)





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Quantity:	0.1 mg
Target:	STAT3
Binding Specificity:	phosphorylated
Reactivity:	Human, Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This STAT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

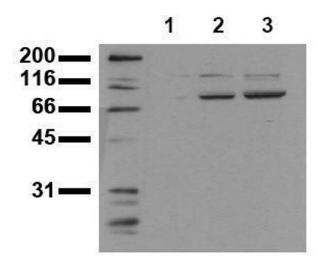
Immunogen:	Synthetic phosphopeptide conjuagted to KLH
Clone:	23G5
Isotype:	IgG1
Specificity:	This antibody specifically recognizes STAT3 phosphorylated at Ser 727. The antibody does not crossreact with the non-phosphorylated form of STAT3 nor with unrelated serine-phosphorylate d proteins.
Characteristics:	Synonyms: STAT-3, Acute-phase response factor, APRF, Signal transducer and activator oftranscription 3
Purification:	Size exclusion chromatography

Product Details		
Components:	incl. positive Control	
Target Details		
Target:	STAT3	
Alternative Name:	STAT3 (STAT3 Products)	
Background:	The STAT proteins serve as both cytoplasmic signal transducers and nuclear activators of transcription. STATs are mediators involved in cytokine signalling. In response to a specific cytokine signal, STAT proteins are phosphorylated on conserved tyrosine residues. Phosphorylated STAT proteins dimerize via their SH2 domains and move to the nucleus. The STAT dimers bind to specific DNA elements resulting in transcriptional regulation of downstream target genes. Besides tyrosine phosphorylation, STAT3 activity is regulated by serine phosphorylation at serine 727. Recent reports indicate that both MAP kinase and SAP kinase induce phosphorylaton at serine 727. Synonyms: APRF, Acute-phase response factor, STAT-3, Signal transducer and activator of transcription 3	
Gene ID:	6774	
UniProt:	P40763	
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:	Western Blot: 0.5 μg/mL for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubationbuffer. ELISA: 0.1 μg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.	
Restrictions:	For Research Use only	
Handling		
Reconstitution:	Restore with 1 mL H20 (15 min, RT).	
Buffer:	1 mL2 x PBS / 0.09 % Na-azide / PEG and Sucrose	

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C/-80 °C
Storage Comment:	Store lyophilized (preferably in a desiccator) at -20 °C and reconstituted (aliquote and freeze in liquid nitrogen) at -80 °C. Avoid repeated freezing and thawing. Thaw aliquots at 37 °C. Thawed aliquots may be stored at 4 °C up to 3 months. Shelf life: one year from despatch.
Expiry Date:	12 months

Images



Western Blotting

Image 1.