



Cat nr AE00234

Product Datasheet

Rabbit Polyclonal Phospho-Specific Antibody, STAT3-pS727 to:

STAT3, phosphorylated S727

Acute-Phase Response Factor; Signal Transducer and Activator of Transcription 3; ADMIO; ADMIO1; HIES

Cellular localization	Cytoplasm, upon phosphorylation and dimerization translocated to the nucleus
Official Symbol (Gene)	STAT3
GeneID	6774
SwissProt	P42226

Confirmed Applications	IHC, IP, WB
Positive controls	Anisomycin-stimulated C6, Anisomycin-stimulated NIH3T3, UV-treated C6, UV-treated NIH3T3
Customers positive feedback	
Aeonian Rating©	70

Purification	Antigen-affinity purified from serum by sequential phospho-peptide and non-phospho-peptide affinity columns
Formulation	<input type="checkbox"/> PBS, 0.02% azide, 50% glycerol
Amount	<input type="checkbox"/> 100ug <input type="checkbox"/> 200ug
Isotype	Rabbit IgG
Confirmed species reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide around phosphorylated S727 of human STAT3 (NP_644805.1).
Epitope	A short sequence around phosphorylated S727: PMSPR

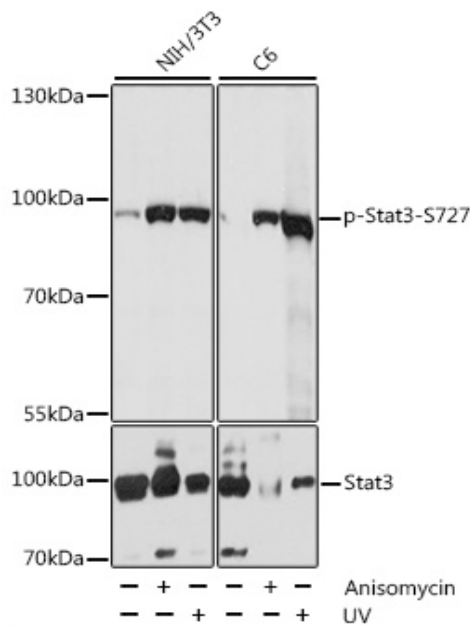
Storage instructions	Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.
Expiration	Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.
Warranty	This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately
Liability	This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance	see next pages
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Product data:

Western Blot (WB):

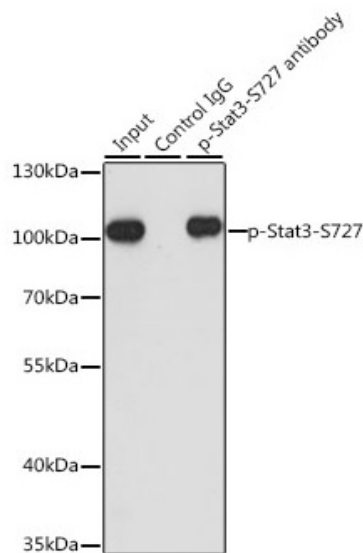
This product was successfully used to stain approx. 90kDa band in lysates of NIH3T3 and C6 after anisomycin or UV-treatment. Recommended concentration: 1-3ug/ml



Western Blots of 30ug lysates of NIH3T3 and C6 with and without Anisomycin (25ng/ml, 30 and 20 min resp), or UV (15-30min)-radiated, stained with STAT3-pS727 Rabbit Polyclonal Antibody AE00234 at 1ug/ml (1h at ambient temp). ECL staining by HRP.

Immunoprecipitation (IP):

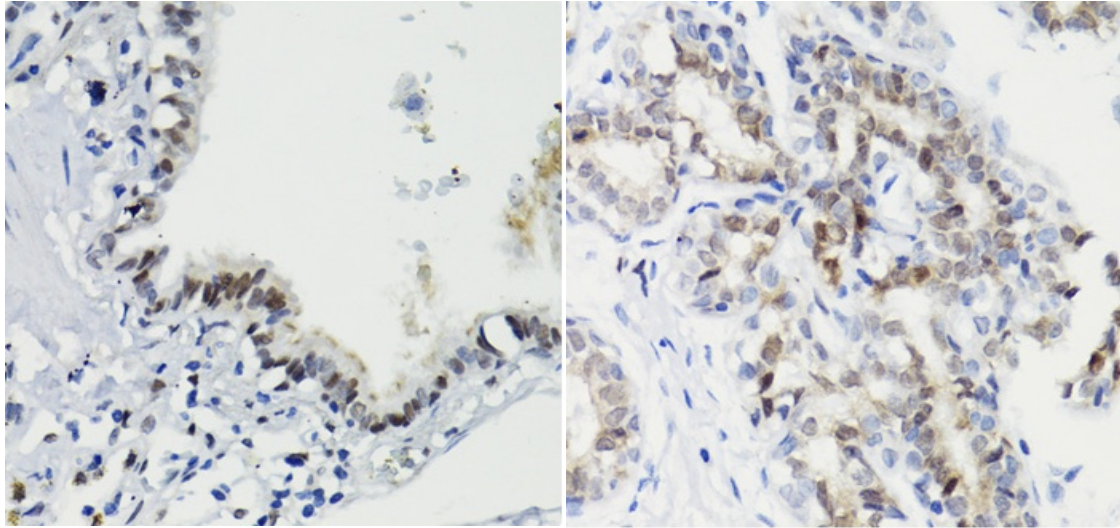
This product was successfully used to immunoprecipitate an approx. 110kDa band from lysates of serum-starved and subsequently PMA/TPA-stimulated HeLa. Recommended amount: 3-6ug.



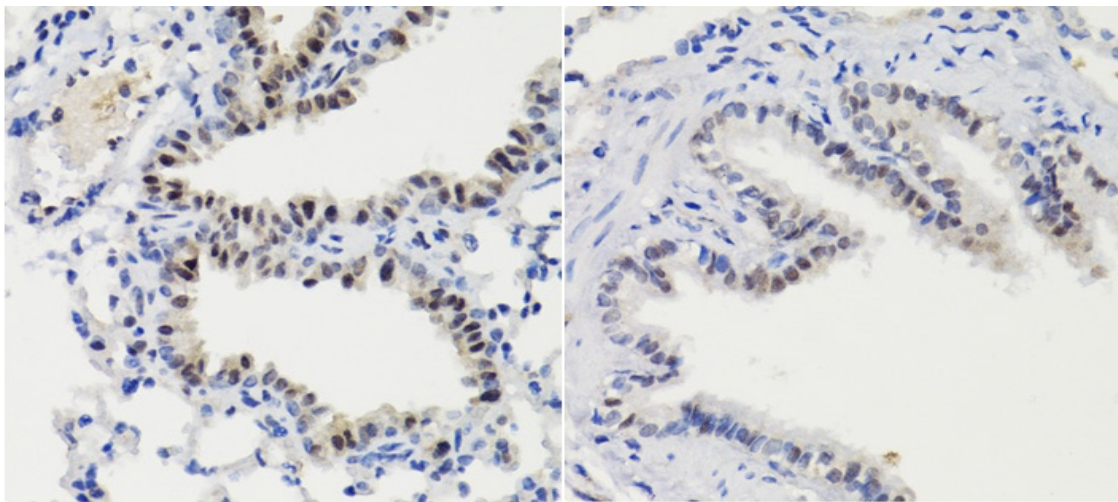
Western Blot of immunoprecipitation (lanes 2 and 3) from 200ug HeLa (PMA/TPA at 200nM, 30 min after overnight serum-starvation) extract, using 3ug STAT3-pS727 Rabbit Polyclonal Antibody AE00234, and using the same antibody for staining the blot at 1ug/ml (1h at ambient temp). ECL staining by HRP.

ImmunoHistoChemistry (IHC):

This product was successfully used to stain nuclei in epithelial cells of human, mouse and rat tissue sections. Recommended concentration: 5-15ug/ml



Formaldehyde-fixed, paraffin-embedded human lung (left) and breast carcinoma (right) stained with STAT3-pS727 Rabbit Phospho-specific Polyclonal Antibody AE00234 at 10ug/ml for 30 minutes at RT. Epitope retrieval: Microwave heating at pH7 to boiling, 5min at 95-98C, 1min at 100C, then cool to roomtemp. DAB staining by HRP polymer.



Formaldehyde-fixed, paraffin-embedded mouse lung (left) and rat lung (right) stained with STAT3-pS727 Rabbit Phospho-specific Polyclonal Antibody AE00234 at 10ug/ml for 30 minutes at RT. Epitope retrieval: Microwave heating at pH7 to boiling, 5min at 95-98C, 1min at 100C, then cool to roomtemp. DAB staining by HRP polymer.