

Datasheet for ABIN3020615
anti-STAT1 antibody (AA 513-712)

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Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | STAT1 |
| Binding Specificity: | AA 513-712 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This STAT1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 513-712 of human STAT1 (NP_644671.1). |
| Sequence: | GLNVDQLNML GEKLLGPNAS PDGLIPWTRF CKENINDKNF PFWLWIESIL ELIKKHLLPL WNDGCIMGFI SKERERALLK DQQPGTFLLR FSESSREGAI TFTWVERSQN GGEPDFHAVE PYTKKELSAV TFPDIIRNYK VMAAENIPEN PLKYLYPNID KDHAFGKYYS RPKEAPEPME LDGPKG GTGYI KTELISVSEV |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Target Details

| | |
|-------------------|--|
| Target: | STAT1 |
| Alternative Name: | STAT1 (STAT1 Products) |
| Background: | <p>The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described.,CANDF7,IMD31A,IMD31B,IMD31C,ISGF-3,STAT91,STAT1 alpha,STAT1,Epigenetics & Nuclear Signaling,Transcription Factors,Cancer,Signal Transduction,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,MAPK-P38 Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Inhibition of Apoptosis,Immunology & Inflammation,IL-6 Receptor Signaling Pathway,STAT1</p> |
| Molecular Weight: | 83 kDa/87 kDa |
| Gene ID: | 6772 |
| UniProt: | P42224 |
| Pathways: | JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Response to Growth Hormone Stimulus , Cellular Response to Molecule of Bacterial Origin , Positive Regulation of Endopeptidase Activity , Hepatitis C , CXCR4-mediated Signaling Events |

Application Details

| | |
|--------------------|------------------------------------|
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:200 |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|---|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

Handling

should be handled by trained staff only.

Handling Advice: Avoid freeze / thaw cycles

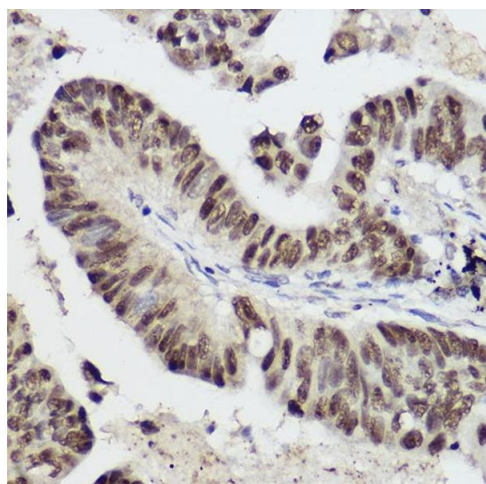
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Publications

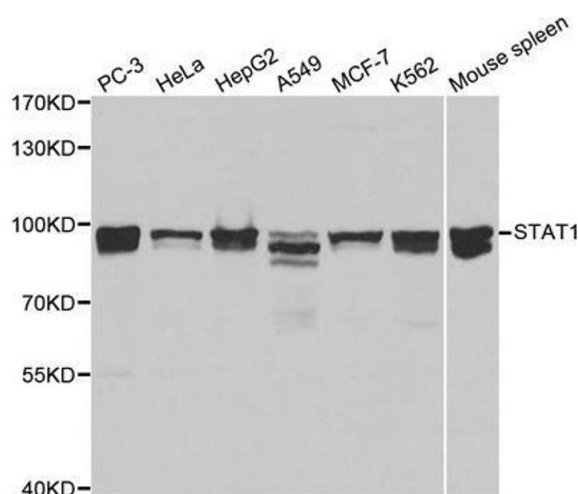
Product cited in: Sun, Ji, Guo, Liu, Wang, Ma, Hu, Wang, Jiang: "Early adventitial activation characterized by NADPH oxidase expression and neovascularization in an aortic transplantation model." in: **Experimental and molecular pathology**, Vol. 100, Issue 1, pp. 67-73, (2016) ([PubMed](#)).

Validation report #104427 for Immunohistochemistry (IHC)



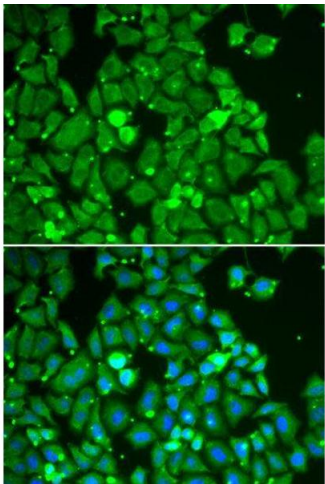
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human lung cancer using ST Rabbit pAb (ABIN3020614, ABIN3020615, ABIN3020616 and ABIN6213588) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of various cell lines, using STAT1 antibody.



Immunofluorescence

Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3020615.