Datasheet for ABIN2668940

anti-STAT5 A/B antibody (pTyr694, pTyr699, Tyr699)

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	200 µL
Target:	STAT5 A/B
Binding Specificity:	pTyr694, pTyr699, Tyr699
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Dot Blot (DB)

Product Details

Immunogen:	This STAT5A/B pTyr694/Tyr699 antibody was raised against a peptide containing pTyr694 of human STAT5A. Human STAT5B shares the identical sequence surrounding Tyr699.
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	STAT5 A/B
Alternative Name:	STAT5A/B (STAT5 A/B Products)
Molecular Weight:	92 kDa
Gene ID:	6776

Application Details

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

Handling

Format:	Liquid
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-20 °C
Storage Comment:	Antibodies in solution can be stored at -20 °C for 2 years.
Expiry Date:	6 months

Publications

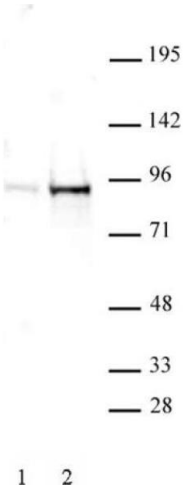
Product cited in:	Bi, Niu, Ding, Zhang, Yang, Gu: "Angiopoietin-1 attenuates angiotensin II-induced ER stress in glomerular endothelial cells via a Tie2 receptor/ERK1/2-p38 MAPK-dependent mechanism." in: **Molecular and cellular endocrinology**, Vol. 428, pp. 118-32, (2016) (PubMed).

Images

Dot Blot

Image 1. STAT5A/B phospho Tyr694/Tyr699 rabbit pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of STAT5A/B phospho Tyr694/Tyr699 rabbit pAb for STAT5A/B phospho Tyr694/699. Phosphorylated peptides corresponding to the immunogen and related peptides were spotted onto PVDF and probed with the antibody at 1:30,000. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: Unmodified Ser727 STAT1 peptide. Lane 2: Phospho Ser727 STAT1 peptide. Lane 3: Unmodified Tyr689 STAT2

peptide. Lane 4: Phospho Tyr689 STAT2 peptide. Lane 5: Unmodified Ser727 STAT3 peptide. Lane 6: Phospho Ser727 STAT3 peptide. Lane 7: Unmodified Tyr705 STAT3 peptide. Lane 8: Phospho Tyr705 STAT3 peptide. Lane 9: Unmodified Ser726 STAT5A/Ser731 STAT5B peptide. Lane 10: Phospho Ser726 STAT5A/Ser731 STAT5B peptide. Lane 11: Unmodified Tyr694 STAT5A/Tyr699 STAT5B peptide. Lane 12: Phospho Tyr694 STAT5A/Tyr699 STAT5B peptide.



Western Blotting

Image 2. STAT5A/B phospho Tyr694/Tyr699 rabbit pAb tested by Western blot. Nb2 nuclear extract (20 µg per lane) was probed with STAT5A/B phospho Tyr694/Tyr699 rabbit pAb (1:2,000). Lane 1: No treatment. Lane 2: Cells treated with prolactin (25 ng/ml for 20 minutes at 37°C).