

Product datasheet

Anti-STAU2 antibody ab184009

[1 References](#) [2 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-STAU2 antibody |
| Description | Rabbit polyclonal to STAU2 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Mouse, Human |
| Immunogen | Recombinant fragment within Human STAU2 aa 2-226. The exact sequence is proprietary. Database link: Q9NUL3 |
| Positive control | U87-MG cell lysate; mouse prostate tissue. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine) |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab184009 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | 1/500 - 1/3000. Predicted molecular weight: 63 kDa. |
| IHC-P | | 1/100 - 1/1000. |

Target

Function

RNA-binding protein required for the microtubule-dependent transport of neuronal RNA from the cell body to the dendrite. As protein synthesis occurs within the dendrite, the localization of specific mRNAs to dendrites may be a prerequisite for neurite outgrowth and plasticity at sites distant from the cell body.

Sequence similarities

Contains 4 DRBM (double-stranded RNA-binding) domains.

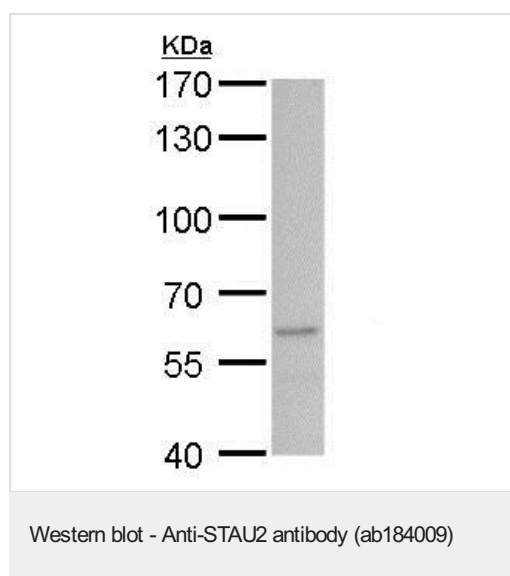
Domain

The DRBM 3 domain appears to be the major RNA-binding determinant. This domain also mediates interaction with XPO5 and is required for XPO1/CRM1-independent nuclear export.

Cellular localization

Cytoplasm. Nucleus. Nucleus > nucleolus. Endoplasmic reticulum. Shuttles between the nucleolus, nucleus and the cytoplasm. Nuclear export of isoform 1 is independent of XPO1/CRM1 and requires the exportin XPO5. Nuclear export of isoform 2 and isoform 3 can occur by both XPO1/CRM1-dependent and XPO1/CRM1-independent pathways. Found in large cytoplasmic ribonucleoprotein (RNP) granules which are present in the actin rich regions of myelinating processes and associated with microtubules, polysomes and the endoplasmic reticulum. Also recruited to stress granules (SGs) upon inhibition of translation or oxidative stress. These structures are thought to harbor housekeeping mRNAs when translation is aborted.

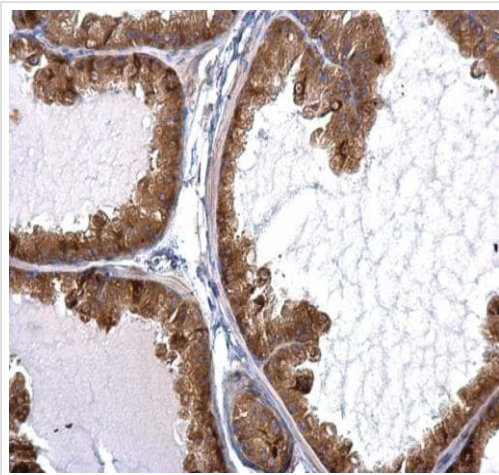
Images



Anti-STAU2 antibody (ab184009) at 1/500 dilution + U87-MG whole cell lysate at 30 µg

Predicted band size: 63 kDa

7.5% SDS-PAGE



Immunohistochemical analysis of paraffin-embedded mouse prostate tissue labeling STAU2 with ab184009 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAU2 antibody (ab184009)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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