antibodies.com

Datasheet for ABIN711836 anti-YES1 antibody (pTyr426)

4 Images



Overview

| Quantity: | 100 µL |
|----------------------|---|
| Target: | YES1 |
| Binding Specificity: | pTyr426 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This YES1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| Immunogen: | KLH conjugated synthetic phosphopeptide derived from human YES1 around the phosphorylation site of Tyr426 |
|-------------------|---|
| Isotype: | IgG |
| Specificity: | Due to the highly conserved nature of this protein, this antibody will react with the related proteins LCK(Tyr394), Src(Tyr418), and Lyn (Tyr397) if phosphorylated at this site due to homology. |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

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Target Details

| Target: | YES1 | |
|-------------------|--|--|
| Alternative Name: | Yes1 (YES1 Products) | |
| Background: | Synonyms: Yes, c-yes, HsT441, P61-YES, Tyrosine-protein kinase Yes, Proto-oncogene c-Yes, | |
| | YES1 | |
| | Background: Non-receptor protein tyrosine kinase that is involved in the regulation of cell | |
| | growth and survival, apoptosis, cell-cell adhesion, cytoskeleton remodeling, and differentiation | |
| | Stimulation by receptor tyrosine kinases (RTKs) including EGRF, PDGFR, CSF1R and FGFR | |
| | leads to recruitment of YES1 to the phosphorylated receptor, and activation and | |
| | phosphorylation of downstream substrates. Upon EGFR activation, promotes the | |
| | phosphorylation of PARD3 to favor epithelial tight junction assembly. Participates in the | |
| | phosphorylation of specific junctional components such as CTNND1 by stimulating the FYN | |
| | and FER tyrosine kinases at cell-cell contacts. Upon T-cell stimulation by CXCL12, | |
| | phosphorylates collapsin response mediator protein 2/DPYSL2 and induces T-cell migration. | |
| | Participates in CD95L/FASLG signaling pathway and mediates AKT-mediated cell migration. | |
| | Plays a role in cell cycle progression by phosphorylating the cyclin-dependent kinase 4/CDK4 | |
| | thus regulating the G1 phase. Also involved in G2/M progression and cytokinesis. | |
| Gene ID: | 7525 | |
| JniProt: | P07947 | |
| Pathways: | CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, | |
| | Thromboxane A2 Receptor Signaling | |

Application Details

| Application Notes: | WB 1:100-1000 |
|--------------------|-----------------------|
| | IHC-P 1:100-500 |
| | IF(IHC-P) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

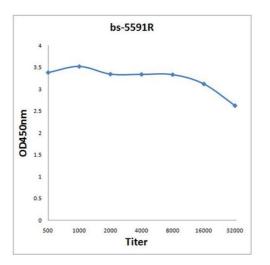
| Format: | Liquid |
|----------------|--|
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide. |
| Preservative: | Sodium azide |

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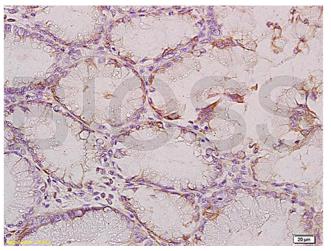
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
|--------------------|---|
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date: | 12 months |

Images



ELISA

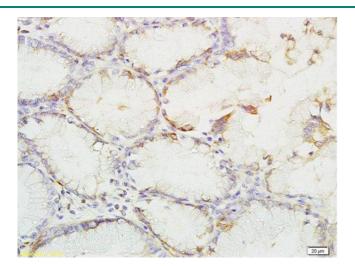
Image 1. Antigen: 0.2 μg/100 μL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in Microplate Reader by 450nm



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Anti-phospho-YES1(Tyr426) Polyclonal Antibody, Unconjugated (ABIN711836) at 1:200 followed by conjugation to the secondary antibody and DAB staining

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Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Anti-phospho-YES1(Tyr426) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the product details page for more images. Overall 4 images are available for ABIN711836.