

## Product datasheet for **TA323860**

### SYK Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | IF, IHC, WB  |
| Recommended Dilution:   | WB: 1:500-1000, IHC: 1:50-100, IF: 1:100-200   |
| Reactivity:             | Human  |
| Modifications:          | Phospho-specific   |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | Peptide sequence around phosphorylation site of tyrosine 323 (N-P-Y(p)-E- P) derived from Human syk.   |
| Formulation:            | PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol   |
| Concentration:          | lot specific   |
| Purification:           | Antigen affinity purification  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 72 kDa   |
| Gene Name:              | spleen tyrosine kinase   |
| Database Link:          | <a href="#">NP_003168</a><br><a href="#">Entrez Gene 6850 Human P43405</a>   |
| Background:             | Positive effector of BCR-stimulated responses. Couples the B-cell antigen receptor (BCR) to the mobilization of calcium ion either through a phosphoinositide 3-kinase-dependent pathway, when not phosphorylated on tyrosines of the linker region, or through a phospholipase C-gamma-dependent pathway, when phosphorylated on Tyr-348 and Tyr-352. Thus the differential phosphorylation of Syk can determine the pathway by which BCR is coupled to the regulation of intracellular calcium ion |

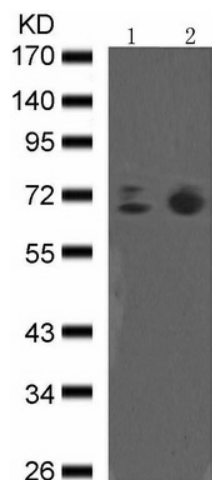


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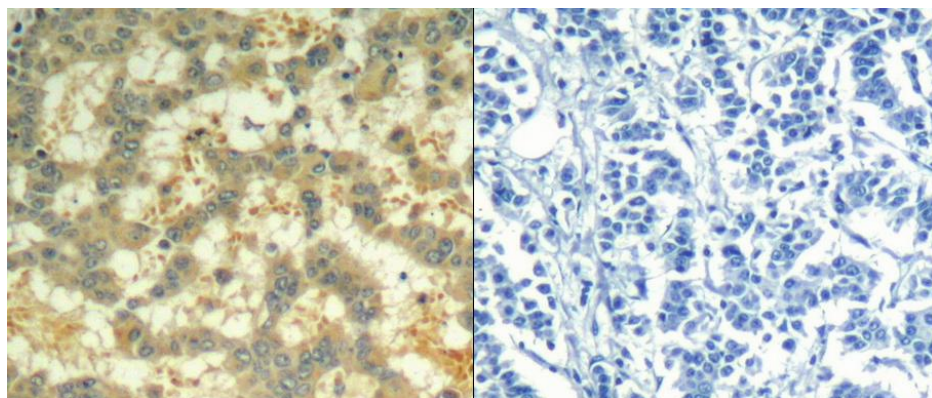
**Synonyms:** p72-Syk

**Protein Families:** Druggable Genome, Protein Kinase

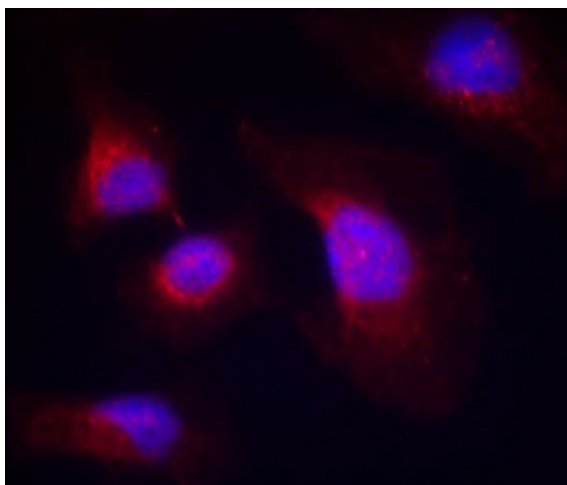
**Protein Pathways:** B cell receptor signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Natural killer cell mediated cytotoxicity

**Product images:**


Predicted band size: 72 kDa. Positive control: JurKat cells treated with H<sub>2</sub>O<sub>2</sub> for the indicated times lysate. Recommended dilution: 1/ 500-1000. (Gel: 8%SDS-PAGE Lane 1: JurKat cells untreated with H<sub>2</sub>O<sub>2</sub> for 3 minutes lysate Lane 2: JurKat cells treated with H<sub>2</sub>O<sub>2</sub> for 15 minutes lysate Lysates: 30 ug per lane lysate Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Cytoplasm; Cell membrane. Positive control: Human breast carcinoma tissue. Recommended dilution: 1/ 50-100 The image on the left is immunohistochemistry of paraffin-embedded human breast carcinoma tissue using SYK (phospho-Tyr323) antibody at dilution 1/50, on the right is treated with the synthetic peptide. (Original magnification: x200)



Predicted cell location: Cytoplasm; Cell membrane. Positive control: HeLa cells. Recommended dilution: 1/ 100-200. The image is immunofluorescence of methanol-fixed HeLa cells using SYK (phospho-Tyr323) antibody at dilution 1/100. (Original magnification: ×200)