

## Product datasheet for **AM50340PU-N**

### **SIAH Interacting Protein (CACYPB) Mouse Monoclonal Antibody [Clone ID: AT3G8]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	AT3G8
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Recombinant human CACYBP (1-185aa) purified from E. coli.
<b>Formulation:</b>	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein-A affinity chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	calcyclin binding protein
<b>Database Link:</b>	<a href="#">Entrez Gene 27101 Human Q9HB71</a>



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**Background:**

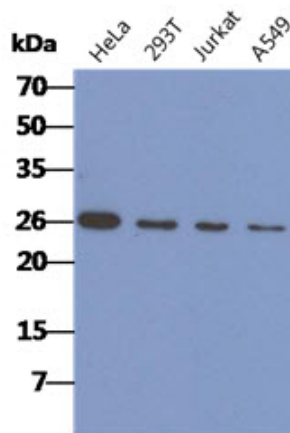
CACYBP (Calcyclin-binding protein) is primarily a nuclear protein that contains one CS domain and one SGS domain. CACYBP is believed to be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. It most likely serves as a molecular bridge in ubiquitin E3 complexes. It also participates in the ubiquitin-mediated degradation of b-catenin. CACYBP is thought to be a potential inhibitor of cell growth and invasion in the gastric cancer cell through its effects on b-catenin protein expression and transcriptional activation of TCF/LEF.

**Synonyms:**

Calcyclin-binding protein, S100A6BP, SIP, PNAS-107, Siah-interacting protein, S100A6-binding protein

**Protein Pathways:**

Wnt signaling pathway

**Product images:**

The cell lysates of HeLa, 293T, Jurkat and A549 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CACYBP antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.