

Product datasheet for **AP55821PU-N**

GAB2 pSer623 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1:500~1:1000. Immunohistochemistry on paraffin sections: 1:50~1:100.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of Serine 623(P-S-S(p)-P-S) derived from Human Gab2 (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of Gab2 only when phosphorylated at serine 623.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	80 kDa
Gene Name:	GRB2 associated binding protein 2
Database Link:	Entrez Gene 9846 Human Q9UQC2



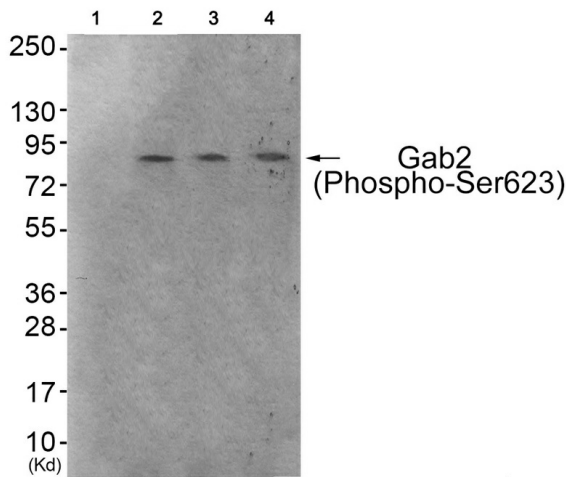
[View online »](#)

Background:

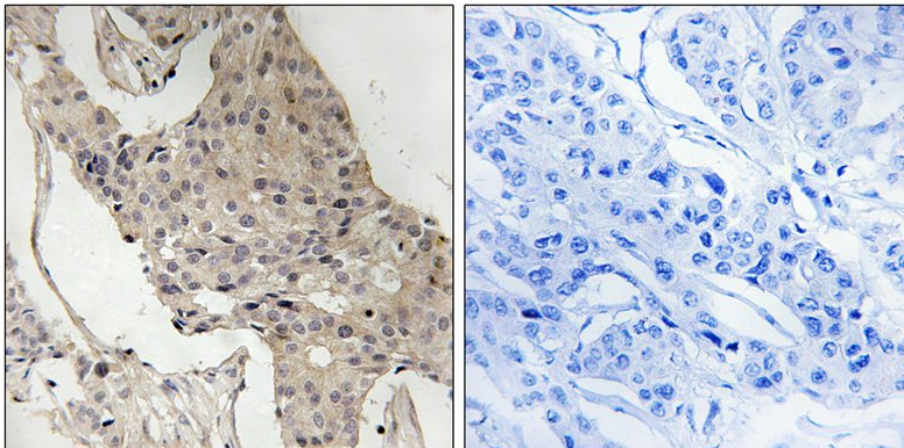
This gene is a member of the GRB2-associated binding protein (GAB) gene family and is similar to the GAB1 gene. These proteins contain pleckstrin homology (PH) domain, and bind SHP2 tyrosine phosphatase and GRB2 adapter protein. They act as adapters for transmitting various signals in response to stimuli through cytokine and growth factor receptors, and T- and B-cell antigen receptors. The protein encoded by this gene is the principal activator of phosphatidylinositol-3 kinase in response to activation of the high affinity IgE receptor. Two alternatively spliced transcripts encoding different isoforms have been described for this gene.

Synonyms:

GRB2-associated-binding protein 2, KIAA0571, pp100

Product images:


Western blot analysis of extracts from 293 cells (Lane 2), HeLa cells (Lane 3) and HepG2 cells (Lane 4), using Gab2 (Phospho-Ser623) Antibody. The lane on the left is treated with antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Gab2 (Phospho-Ser623) antibody (left) or the same antibody preincubated with blocking peptide (right).