



# Gα t2 rabbit pAb

Cat No.:ES5568

For research use only

## Overview

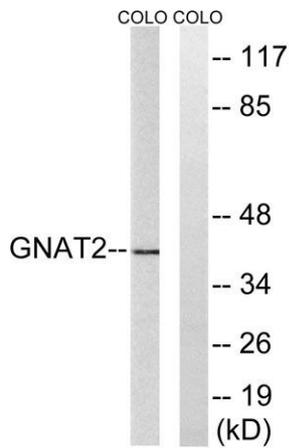
<b>Product Name</b>	Gα t2 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GNAT2. AA range:1-50
<b>Specificity</b>	Gα t2 Polyclonal Antibody detects endogenous levels of Gα t2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Guanine nucleotide-binding protein G(t) subunit alpha-2
<b>Gene Name</b>	GNAT2
<b>Cellular localization</b>	Cell projection, cilium, photoreceptor outer segment . Photoreceptor inner segment . Localizes mainly in the outer segment in the dark-adapted state, whereas is translocated to the inner part of the photoreceptors in the light-adapted state. During dark-a
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	40kD
<b>Human Gene ID</b>	2780
<b>Human Swiss-Prot Number</b>	P19087
<b>Alternative Names</b>	GNAT2; GNATC; Guanine nucleotide-binding protein G(t) subunit alpha-2; Transducin alpha-2 chain



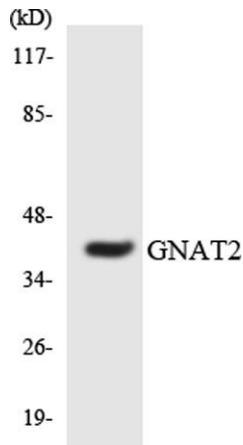


## Background

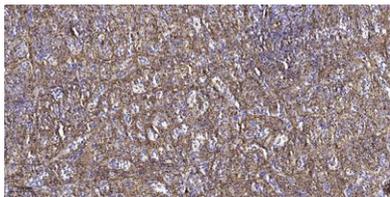
Transducin is a 3-subunit guanine nucleotide-binding protein (G protein) which stimulates the coupling of rhodopsin and cGMP-phosphodiesterase during visual impulses. The transducin alpha subunits in rods and cones are encoded by separate genes. This gene encodes the alpha subunit in cones. [provided by RefSeq, Jul 2008],



Western blot analysis of lysates from COLO cells, using GNAT2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using GNAT2 antibody.



Immunohistochemical analysis of paraffin-embedded human spleen tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200

