

GTPBP4 Polyclonal Antibody

Catalog number: 13897-1-AP

Size: 36 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

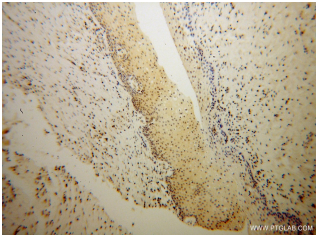
GTPBP4; CRFG, FLJ10686,

FLJ10690, FLJ39774, GTP

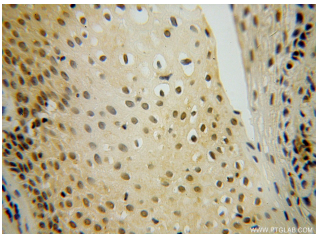
binding protein 4, GTP binding

protein NGB, GTPBP4, NGB,

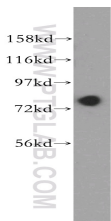
NOG1



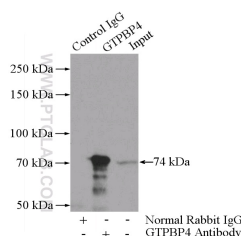
Immunohistochemical of paraffin-embedded human cervical cancer using 13897-1-AP(GTPBP4 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human cervical cancer using 13897-1-AP(GTPBP4 antibody) at dilution of 1:100 (under 40x lens)



mouse testis tissue were subjected to SDS PAGE followed by western blot with 13897-1-AP(GTPBP4 antibody) at dilution of 1:800



Background

GTP-binding proteins are GTPases and function as molecular switches that can flip between two states: active, when GTP is bound, and inactive, when GDP is bound. 'Active' in this context usually means that the molecule acts as a signal to trigger other events in the cell. When an extracellular ligand binds to a G-protein-linked receptor, the receptor changes its conformation and switches on the trimeric G proteins that associate with it by causing them to eject their GDP and replace it with GTP. The switch is turned off when the G protein hydrolyzes its own bound GTP, converting it back to GDP. But before that occurs, the active protein has an opportunity to diffuse away from the receptor and deliver its message for a prolonged period to its downstream target.

Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	IF, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Drosophila, mouse
Calculated GTPBP4 MW:	634aa,74 kDa
Observed GTPBP4 MW:	74 kDa
Positive WB detected in	Mouse testis tissue, HeLa cells, human kidney tissue
Positive IP detected in	Mouse testis tissue
Positive IHC detected in	Human cervical cancer tissue
Recommended dilution:	WB: 1:1000-1:10000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4859
GenBank accession number:	BC038975
Gene ID (NCBI):	23560
Full name:	GTP binding protein 4

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

IP Result of anti-GTPBP4
(IP:13897-1-AP, 4ug;
Detection:13897-1-AP 1:800)
with mouse testis tissue lysate
4000ug.