

SOCS2 Rabbit mAb
Catalog # AP76107**Specification**

SOCS2 Rabbit mAb - Product Information

Application	WB, IP
Primary Accession	O14508
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	22172

SOCS2 Rabbit mAb - Additional Information**Gene ID** 8835**Other Names**
SOCS2**Dilution**
WB~~1/500-1/1000
IP~~N/A**Format**
Liquid**SOCS2 Rabbit mAb - Protein Information****Name** SOCS2 {ECO:0000303|PubMed:10512686, ECO:0000312|HGNC:HGNC:19382}**Function**

Substrate-recognition component of a cullin-5-RING E3 ubiquitin-protein ligase complex (ECS complex, also named CRL5 complex), which mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as EPOR and GHR (PubMed:11781573, PubMed:21980433, PubMed:25505247, PubMed:31182716, PubMed:34857742). Specifically recognizes and binds phosphorylated proteins via its SH2 domain, promoting their ubiquitination (PubMed:21980433, PubMed:25505247, PubMed:31182716, PubMed:34857742, PubMed:37816714). The ECS(SOCS2) complex acts as a key regulator of growth hormone receptor (GHR) levels by mediating ubiquitination and degradation of GHR, following GHR phosphorylation by JAK2 (PubMed:21980433).

PubMed:25505247,
PubMed:34857742).
The ECS(SOCS2) also catalyzes ubiquitination and degradation of JAK2-phosphorylated EPOR
(PubMed:11781573).

Cellular Location

Cytoplasm.

Tissue Location

High expression in heart, placenta, lung, kidney and prostate. Predominantly expressed in pulmonary epithelia cells, specifically type II pneumocytes.

SOCS2 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SOCS2 Rabbit mAb - Images

