

# SOCS2 Rabbit mAb

Catalog # AP76107

## Product Information

Application	WB, IP
Primary Accession	<a href="#">O14508</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	22172

## Additional Information

Gene ID	8835
Other Names	SOCS2
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

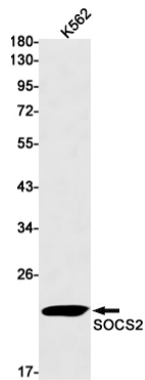
## Protein Information

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: <a href="#">11781573</a> , PubMed: <a href="#">21980433</a> , PubMed: <a href="#">25505247</a> , PubMed: <a href="#">31182716</a> , PubMed: <a href="#">34857742</a> ). Specifically recognizes and binds phosphorylated proteins via its SH2 domain, promoting their ubiquitination (PubMed: <a href="#">21980433</a> , PubMed: <a href="#">25505247</a> , PubMed: <a href="#">31182716</a> , PubMed: <a href="#">34857742</a> , PubMed: <a href="#">37816714</a> ). 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: <a href="#">21980433</a> , PubMed: <a href="#">25505247</a> , PubMed: <a href="#">34857742</a> ). The ECS(SOCS2) also catalyzes ubiquitination and degradation of JAK2-phosphorylated EPOR (PubMed: <a href="#">11781573</a> ).
Cellular Location	Cytoplasm.
Tissue Location	High expression in heart, placenta, lung, kidney and prostate. Predominantly

expressed in pulmonary epithelia cells, specifically type II pneumocytes.

## Images

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