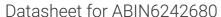
antibodies - online.com







anti-COPS5 antibody (AA 187-222)





| \sim | | | | | |
|--------|----|----|----|-------------|---|
| () | VE | ۲۱ | /1 | \triangle | Λ |

| Overview | | |
|----------------------|--|--|
| Quantity: | 200 μL | |
| Target: | COPS5 | |
| Binding Specificity: | AA 187-222 | |
| Reactivity: | Human, Mouse, Rat | |
| Host: | Rabbit | |
| Clonality: | Polyclonal | |
| Conjugate: | This COPS5 antibody is un-conjugated | |
| Application: | Western Blotting (WB) | |
| Product Details | | |
| Immunogen: | This COPS5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic | |
| | peptide between 187-222 amino acids from the Central region of human COPS5. | |
| Clone: | RB53049 | |
| Isotype: | lg Fraction | |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. | |
| | | |
| Target Details | | |
| Target: | COPS5 | |
| Alternative Name: | COPS5 (COPS5 Products) | |
| Background: | Probable protease subunit of the COP9 signalosome complex (CSN), a complex involved in | |
| | | |

various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (UbI) conjugation pathway by mediating the deneddylation of the cullin subunits of the SCF-type E3 ligase complexes, leading to decrease the UbI ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IkappaBalpha/NFKBIA, ITPK1 and IRF8, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the UbI system, respectively. In the complex, it probably acts as the catalytic center that mediates the cleavage of Nedd8 from cullins. It however has no metalloprotease activity by itself and requires the other subunits of the CSN complex. Interacts directly with a large number of proteins that are regulated by the CSN complex, confirming a key role in the complex. Promotes the proteasomal degradation of BRSK2.

Molecular Weight: 37579

UniProt: Q92905

Pathways: Cell Division Cycle

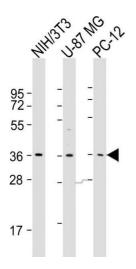
Application Details

Application Notes: WB: 1:500-1:1000

Restrictions: For Research Use only

Handling

| Format: | Liquid | |
|--------------------|--|--|
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. | |
| Preservative: | Sodium azide | |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. | |
| Storage: | 4 °C,-20 °C | |
| Expiry Date: | 6 months | |



Western Blotting

Image 1. All lanes: Anti-COPS5 Antibody (Center) at 1:500-1:1000 dilution Lane 1: NIH/3T3 whole cell lysates Lane 2: U-87 MG whole cell lysates Lane 3: PC-12 whole cell lysates Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 38 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.