

SDOS Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57595**Specification**

SDOS Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9BRJ7
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23338

SDOS Polyclonal Antibody - Additional Information**Gene ID** 84309**Other Names**

Tudor-interacting repair regulator protein, NUDT16-like protein 1
{ECO:0000312|HGNC:HGNC:28154}, Protein syndesmos, NUDT16L1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=28154
target="_blank">HGNC:28154)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SDOS Polyclonal Antibody - Protein Information**Name** NUDT16L1 ([HGNC:28154](#))**Function**

Key regulator of TP53BP1 required to stabilize TP53BP1 and regulate its recruitment to chromatin (PubMed:28241136). In absence of DNA damage, interacts with the tandem Tudor-like domain of TP53BP1, masking the region that binds histone H4 dimethylated at 'Lys-20' (H4K20me2), thereby preventing TP53BP1 recruitment to chromatin and maintaining TP53BP1 localization to the nucleus (PubMed:28241136). Following DNA damage, ATM-induced phosphorylation of TP53BP1 and subsequent recruitment of RIF1 leads to dissociate NUDT16L1/TIRR from TP53BP1, unmasking the tandem Tudor-like domain and allowing recruitment of TP53BP1 to DNA double strand breaks (DSBs) (PubMed:28241136). Binds U8 snoRNA (PubMed:18820299).

Cellular Location

Nucleus.

SDOS Polyclonal Antibody - 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](#)

SDOS Polyclonal Antibody - Images