

ZNF451 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9637a**Specification**

ZNF451 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y4E5](#)**ZNF451 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 26036**Other Names**

Zinc finger protein 451, Coactivator for steroid receptors, ZNF451, COASTER, KIAA0576, KIAA1702

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ZNF451 Antibody (N-term) Blocking Peptide - Protein Information**Name** ZNF451**Synonyms** COASTER {ECO:0000303|Ref.1}, KIAA0576, K**Function**

E3 SUMO-protein ligase; has a preference for SUMO2 and SUMO3 and facilitates UBE2I/UBC9-mediated sumoylation of target proteins (PubMed:26524493, PubMed:26524494). Plays a role in protein SUMO2 modification in response to stress caused by DNA damage and by proteasome inhibitors (in vitro). Required for MCM4 sumoylation (By similarity). Has no activity with SUMO1 (PubMed:26524493). Preferentially transfers an additional SUMO2 chain onto the SUMO2 consensus site 'Lys-11' (PubMed:26524493). Negatively regulates transcriptional activation mediated by the SMAD4 complex in response to TGF-beta signaling. Inhibits EP300-mediated acetylation of histone H3 at 'Lys-9' (PubMed:24324267). Plays a role in regulating the transcription of AR targets (PubMed:18656483).

Cellular Location

Nucleus. Nucleus, PML body. Nucleus, nucleoplasm. Note=Colocalizes with UBE2I/UBC9, SUMO1 and SUMO2 in nuclear granules; this probably requires sumoylation. Desumoylation leads to diffuse nucleoplasmic location.

ZNF451 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ZNF451 Antibody (N-term) Blocking Peptide - Images

ZNF451 Antibody (N-term) Blocking Peptide - Background

ZNF451 may be involved in transcriptional regulation. Coactivator for steroid receptors

ZNF451 Antibody (N-term) Blocking Peptide - References

Karvonen, U., et al. J. Mol. Biol. 382(3):585-600(2008)Colland, F., et al. Genome Res. 14(7):1324-1332(2004)