ZNF451 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZNF451, Polyclonal Antibody
Full Product Name	ZNF451 Polyclonal Antibody
Product Gene Name	anti-ZNF451 antibody
Product Synonym Names	COASTER; dJ417I1.1
Immunogen Sequence	SSPRGKWQCR ICEDMFDSQE YVKQHCMSLA SHKFHRYSCA HCRKPFHKIE TLYRHCQDEH DNEIKIKYFC GLCDLIFNVE EAFLSHYEEH HSIDYVFVSE KTETSIKTED DFPVIETSNQ LTCGCRESYI CKVNRKEDYS RCLQIMLDKG KLWFRCSLCS ATAQNLTDMN THIHQVHKEK SDEEEQQYVI KCGTCTKAFH DPESAQQHFH RKHCFLQKPS VAHFGSEKSN LYKFTASASH TERKLKQAIN YSKSL
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	63kDa/115kDa/121kDa
OMIM	AY055204 mRNA
3D Structure	ModBase 3D Structure for Q9Y4E5
Immunogen	Recombinant protein of human ZNF451
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Nucleus
Product Categories/Family for anti-ZNF451 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ZNF451 antibody	Western Blot (WB)
Application Notes for anti-ZNF451 antibody	WB: 1:200 - 1:2000
Related Product Information for anti-ZNF451 antibody	MBS9135408 is an antibody targeting ZNF451. Also known as ZNF451 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-ZNF451 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZNF451. It may not necessarily be applicable to this product.

NCBI GI #	72255571
NCBI GeneID	26036
NCBI Accession #	NP_001026794.1
UniProt Primary Accession #	Q9Y4E5
UniProt Secondary Accession #	Q5VVE9; Q5VVF1; Q86YE4; Q8N380; Q8TD15; Q9C0G1; Q9NQM1
UniProt Related Accession #	Q9Y4E5
GenBank Nucleotide #	NM_001031623.2
NCBI Official Full Name	E3 SUMO-protein ligase ZNF451 isoform 1
NCBI Official Synonym Full Names	zinc finger protein 451
NCBI Official Symbol	ZNF451
NCBI Official Synonym Symbols	COASTER; dJ417I1.1
UniProt Protein Name	E3 SUMO-protein ligase ZNF451
UniProt Synonym Protein Names	Coactivator for steroid receptors
Protein Family	E3 SUMO-protein ligase
UniProt Gene Name	ZNF451
NCBI Protein Information	E3 SUMO-protein ligase ZNF451
UniProt Comments for ZNF451	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 (). 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).
Research Articles on ZNF451	**1.** The authors show that ZNF451 is SUMO2 specific and that SUMO modification of ZNF451 may contribute to activity by providing a second molecule of SUMO that interacts with E2.
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