

Product datasheet for **TA328108**

WDHD1 Mouse Monoclonal Antibody [Clone ID: 20G10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	20G10
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	Recombinant (partial), C-terminal
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	lot specific
Purification:	The antibody was purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	126 kD
Gene Name:	WD repeat and HMG-box DNA binding protein 1
Database Link:	NP_009017 Entrez Gene 218973 Mouse Entrez Gene 11169 Human O75717



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Background:

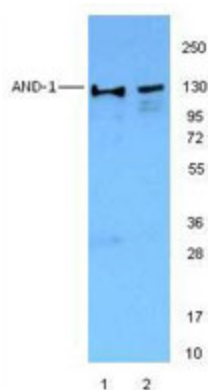
The 20G10 monoclonal antibody recognizes both human and mouse AND-1 (WDHD1) also known as WD repeat and HMG box DNA binding protein 1, acidic nucleoplasmic DNA-binding protein 1. AND-1 (WDHD1) is a nuclear and nucleolar protein that contains multiple WD40 repeats, and one HMG region. AND-1 (WDHD1) has a predicted molecular weight of 126 kD and can form homodimers. WDHD1 is expressed in the brain, epidermis, liver, and stomach. During mitosis, AND-1 (WDHD1) is transiently expressed in nucleoplasm. AND-1 (WDHD1) can bind to DNA with high affinity and may be involved in protein-protein interactions. The role of AND-1 (WDHD1) is thought to be chromatin assembly, transcription and DNA replication. AND-1 (WDHD1) has been reported to be phosphorylated on S1041. The 20G10 antibody has been shown to be useful for Western blotting.

Synonyms:

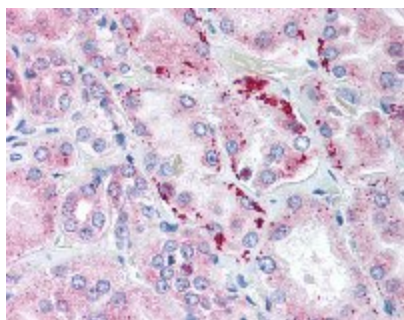
AND-1; AND1; CHTF4; CTF4

Protein Families:

Druggable Genome, Transcription Factors

Product images:

Jurkat nuclear cell extracts (lane 1) and NIH3T3 nuclear extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed with anti-AND-1 antibody (clone 20G10). Proteins were visualized using a goat anti-mouse-IgG secondary conjugated to HRP and chemiluminescence detection.



Formalin-fixed paraffin-embedded human kidney tissue was stained with 20G10 at 15 ug/ml and developed with an alkaline phosphatase chromogen substrate (red color). Tissue was counterstained with H&E (blue/pink). Magnification, 40X.