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Product Data Sheet

Purified anti-AND-1 (WDHD1)

Catalog # / Size: 630301 / 25 µg
630302 / 100 µg

Clone: 20G10

Isotype: Mouse IgG2a, κ

Immunogen: Recombinant (partial), C-terminal

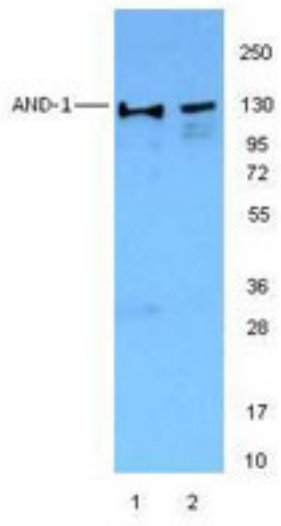
Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



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.

Applications:

Applications: WB - *Quality tested*
IHC - *Validated*

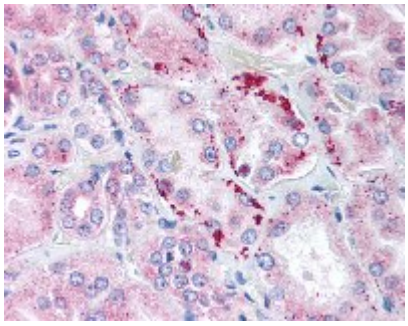
Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. For IHC, use a 15 µg/ml dilution of antibody for staining. Antigen retrieval for IHC of formalin-fixed paraffin-embedded tissue using 0.01 M sodium citrate buffer is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Description: 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.

Antigen References: 1. Kohler A, *et al.* 1997. *J. Cell Sci.* 110:1051.

Related Products:

Product	Clone	Application
HRP Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, IHC, WB



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

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587