

JAK2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified	RefSeq ID	NP_004963.1
Catalog No. A302-178A	Uniprot ID	O60674
Lot No. 2	GeneID	3717

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 – 8°C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to JAK2 immobilized on solid support.

The epitope recognized by A302-178A maps to a region between residue 1082 and 1132 of human Janus kinase 2 using the numbering given in entry NP_004963.1 (GeneID 3717).

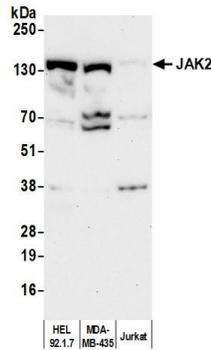
Immunoglobulin concentration was determined using Beer's Law where 1 mg/mL IgG has an A280 of 1.4.

APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.
	Western Blot 1:2000 – 1:10,000
	Immunoprecipitation 6 µg/mg lysate
	Immunohistochemistry 1:500 – 1:2000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

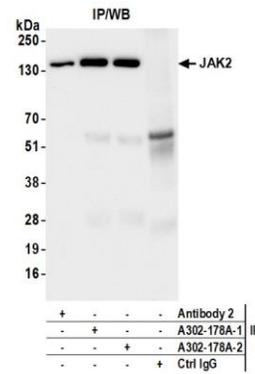
IHC HUMAN CONTROLS	Ovarian Carcinoma, Prostate Carcinoma
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ADDITIONAL INFO	https://www.fortislife.com/p/A302-178A Use the link above to view SDS, a current list of citations, and other product specific information.
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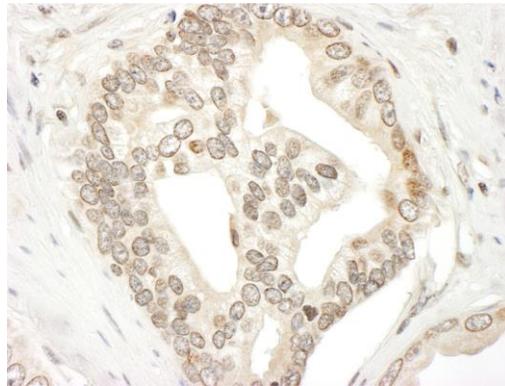
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: January 17, 2024



Detection of human JAK2 by western blot. *Samples:* Whole cell lysate (50 µg) from HEL 92.1.7, MDA-MB-435, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-JAK2 antibody (A302-178A lot 2) used for WB at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human JAK2 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEL 92.1.7 cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-JAK2 antibody (A302-178A lot 2) used for IP at 6 µg per reaction. JAK2 was also immunoprecipitated by a previous lot of this antibody (A302-178A lot 1) and a second antibody against a different epitope of JAK2 (Antibody 2). For blotting immunoprecipitated JAK2, A302-178A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human JAK2 by immunohistochemistry. *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-JAK2 (Cat. No. A302-178A) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB