

ZNF318 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54492

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q5VUA4
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	251112
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZNF318
Epitope Specificity	1077-1125/2279
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear.
SIMILARITY	Contains 2 matrin-type zinc fingers.
SUBUNIT	Interacts with the N-terminal domain of AR.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ZNF318 is a 2279 amino acid endocrine regulatory protein that localizes to the nucleus. Highly expressed in testis, ovaries and kidneys, ZNF318 is a co-repressor of androgen receptor (AR)-mediated transcriptional activation and is thought to regulate transcription during spermatogenesis. ZNF318 interacts with the N-terminal domain of AR and contains two matrin-type zinc fingers. Two isoforms of ZNF318, designated TZF and TZF-L, are produced due to alternative splicing events. Each of these splice variants are thought to have unique roles in transcriptional regulation. While the TZF isoform functions as a repressor of AR-mediated transcriptional activation, the TZF-L isoform is thought to enhance AR-mediated transcriptional activation.

Additional Information

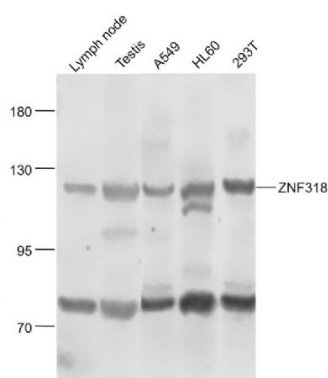
Gene ID	24149
Other Names	Zinc finger protein 318, Endocrine regulatory protein, ZNF318
Target/Specificity	Expressed in endocrine tissue.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

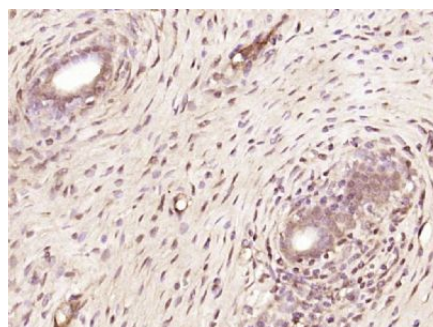
Name	ZNF318
Function	[Isoform 2]: Acts as a transcriptional corepressor for AR- mediated transactivation function. May act as a transcriptional regulator during spermatogenesis and, in particular, during meiotic division.
Cellular Location	Nucleus.
Tissue Location	Expressed in endocrine tissue. {ECO:0000269 Ref.1}.

Images



Sample:

Lymph node(Mouse) Lysate at 40 ug
 Testis (Mouse) Lysate at 40 ug
 A549(Human) Cell Lysate at 30 ug
 HL60(Human) Cell Lysate at 30 ug
 293T(Human) Cell Lysate at 30 ug
 Primary: Anti- ZNF318 (AP54492) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 125 kD
 Observed band size: 125 kD



Paraformaldehyde-fixed, paraffin embedded (rat uterus);
 Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZNF318) Polyclonal Antibody, Unconjugated (AP54492) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.