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Datasheet for 600-401-DN3

PIERCE1 Antibody

Overview

Description:	Anti-PIERCE1 (RABBIT) Antibody - 600-401-DN3
Item No.:	600-401-DN3
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	PIERCE1, also known as C9orf116, is an important p53 target gene contributing to normal DNA damage response and may play crucial roles in maintaining genomic integrity against genotoxic stresses, including UVC irradiation. PIERCE1 exists as two alternatively spliced isoforms and is predominantly expressed in human small cell lung cancer. PIERCE1 knockdown induces down-regulation of proapoptotic genes including Ei24, Apaf1 and PTEN, suggesting that PIERCE1 is a proapoptotic gene. It is helpful for in-depth understanding of p53 pathways and the design of new cancer therapies.
Synonyms:	PIERCE1 Antibody, PIERCE1, RbEST47, UPF0691 protein C9orf116, p53-induced expression in RB-null cells protein 1, Pierce1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	C9orf116
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PIERCE1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human PIERCE1.

Purity/Specificity:	Anti-PIERCE1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. PIERCE1 antibody is predicted to not cross-react with other UPF0691 family members.
Relevant Links:	• UniProtKB - Q5BN46 • GeneID - 138162 • NCBI - Q5BN46

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-PIERCE1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 15 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1 µg/mL

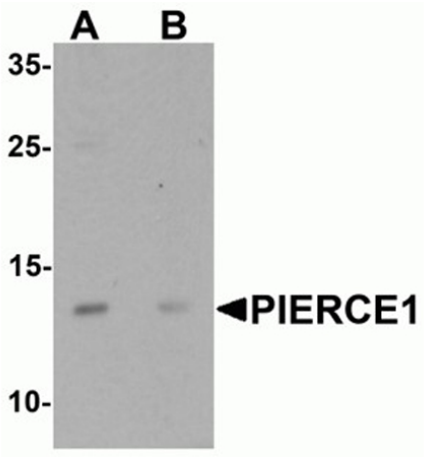
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot analysis of PIERCE1.
Load: A20 cell lysate.
Primary Antibody: PIERCE1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

Immunocytochemistry
Immunocytochemistry of PIERCE1.
Cell: A20 cells.
Primary Antibody: PIERCE1 antibody at 2.5 µg/mL.

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