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TMPRSS2 (vPair™) Antibodies

Cat#: R2849-vp

Lot#: Refer to vial

Predicted | Observed MW: 52 | 60 kDa

Uniprot ID: O15393

Application: WB

Quantity: 50 ul TMPRSS2 (N) (R2849-1) Rabbit Polyclonal Antibody &
50 ul TMPRSS2 (C) (R2849-2) Rabbit Polyclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

Background:

Transmembrane protease serine 2 (TMPRSS2) belongs to the serine protease family. It contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Serine proteases are known to be involved in many physiological and pathological processes. It was demonstrated that TMPRSS2 is up-regulated by androgenic hormones in prostate cancer cells and down-regulated in androgen-independent prostate cancer tissue. The protease domain of this protein is thought to be cleaved and secreted into cell media after autocleavage [provided by RefSeq].

Other Names:

Transmembrane protease serine 2, Serine protease 10, PRSS10

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [TMPRSS2 (N) (R2849-1)] or the C-terminal [TMPRSS2 (C) (R2949-2)] region of human TMPRSS2. Antibodies were purified by affinity purification using immunogen.

Species Specificity:

Human, Mouse

**For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

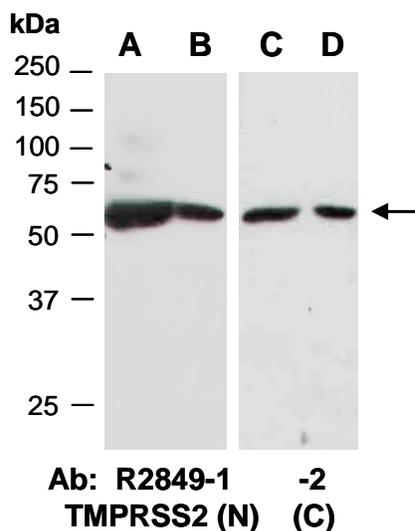


Fig 1. Western blot of total cell extracts from A, C) mouse brain, B, D) mouse thymus; using 2 independent Abs against 2 distinct regions of human TMPRSS2 at RT for 2 h.