

Anti-HE4/Wfdc2 Antibody Picoband™

Catalog Number: A02685-5

About Wfdc2

WAP four-disulfide core domain protein 2, also known as Human Epididymis Protein 4 (HE4), is a protein that in humans is encoded by the WFDC2 gene. This gene encodes a protein that is a member of the WFDC domain family. The WFDC domain, or WAP Signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor in many family members. This gene is expressed in pulmonary epithelial cells, and was also found to be expressed in some ovarian cancers. The encoded protein is a small secretory protein, which may be involved in sperm maturation.

Overview

Product Name	Anti-HE4/Wfdc2 Antibody Picoband™
Reactive Species	Rat
Description	Boster Bio Anti-HE4/Wfdc2 Antibody Picoband™ catalog # A02685-5. Tested in ELISA applications. This antibody reacts with Rat.
Application	ELISA
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Wfdc2: Q8CHN3

Technical Details

Immunogen	E. coli-derived rat HE4 recombinant protein (Position: E31-F168).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.



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Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ELISA Capture (Matched Antibody Pair), 2-8ug/ml
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Anti-HE4/Wfdc2 Antibody Picoband™ (A02685-5) Images

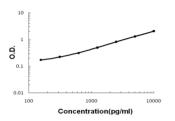


Figure 1. Sandwich ELISA - Recombinant Rat HE4 protein standard curve.
Use in combination with reagents from Rat HE4 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ1624).

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Anti-HE4/Wfdc2 Antibody ™