

## Anti-HE4/Wfdc2 Biotinylated Antibody

Catalog Number: A02685-Biotin

### 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 Biotinylated Antibody
Reactive Species	Rat
Description	Boster Bio Anti-HE4/Wfdc2 Biotinylated Antibody catalog # A02685-Biotin. Tested in ELISA applications. This antibody reacts with Rat.
Conjugate	Biotin
Application	ELISA
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .
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).
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 µg/ml.
Purification	Immunogen affinity purified.
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 Detection (Matched Antibody Pair), 0.1-0.5 $\mu$ g/ml

For protocols, please visit <https://www.bosterbio.com/protocol-and-troubleshooting/>

## Anti-HE4/Wfdc2 Biotinylated Antibody (A02685-Biotin) Images

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Boster Kit Box

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