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Datasheet for ABIN7145483

anti-DEFB126 antibody (AA 36-111) (HRP)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | DEFB126 |
| Binding Specificity: | AA 36-111 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This DEFB126 antibody is conjugated to HRP |
| Application: | ELISA |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant Human Beta-defensin 126 protein (36-111AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|---|
| Target: | DEFB126 |
| Alternative Name: | DEFB126 (DEFB126 Products) |
| Background: | Background: Highly glycosylated atypical beta-defensin involved in several aspects of sperm function. Facilitates sperm transport in the female reproductive tract and contributes to sperm |

Target Details

protection against immunodetection, both functions are probably implicating the negative surface charge provided by its O-linked oligosaccharides in the sperm glycocalyx. Involved in binding of sperm to oviductal epithelial cells to form a sperm reservoir until ovulation. Release from the sperm surface during capacitation and ovaluation by an elevation of oviductal fluid pH is unmasking other surface components and allows sperm to penetrate the cumulus matrix and bind to the zona pellucida of the oocyte (By similarity). In vitro has antimicrobial activity and may inhibit LPS-mediated inflammation (PubMed:19373462, PubMed:23229569).

Aliases: DEFB126 antibody, C20orf8 antibody, DEFB26Beta-defensin 126 antibody, Beta-defensin 26 antibody, DEFB-26 antibody, Defensin antibody, beta 126 antibody, Epididymal secretory protein 13.2 antibody, ESP13.2 antibody, HBD26 antibody

UniProt: [Q9BYW3](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.