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## DPEP1 Rabbit pAb

Catalog Number: bs-14414R

Target Protein: DPEP1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse)

Predicted MW: 44 kDa

Subcellular: Cell membrane

Locations:

Entrez Gene: 1800

Swiss Prot: P16444

Source: KLH conjugated synthetic peptide derived from human DPEP1: 201-300/411.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** The protein encoded by this gene is a kidney membrane enzyme involved in the metabolism of glutathione and other similar proteins by dipeptide hydrolysis. The encoded protein is known to regulate leukotriene activity by catalyzing the conversion of leukotriene D4 to leukotriene E4. This protein uses zinc as a cofactor and acts as a disulfide-linked homodimer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jan 2012]

### PRODUCT SPECIFIC PUBLICATIONS

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[IF=5.6] Yan Li. et al. Dipeptidase 1 promotes ferroptosis in renal tubular epithelial cells in diabetic nephropathy via inhibition of the GSH/GPX4 axis. INT IMMUNOPHARMACOL. 2024 May;133:111955 IHC ; Mouse . 38626544