

HNF-4 Polyclonal Antibody

CATALOG #:	3688-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 454 of rat HNF (ID# BV-242).
SPECIES REACTIVITY:	mouse, rat

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw.

DESCRIPTION:

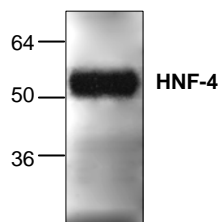
HNF-4 (Hepatocyte nuclear factor 4), a member of the steroid/thyroid nuclear receptor superfamily, is a transcriptional factor which expresses in the liver, intestine, kidney, and pancreatic cells. It contains several functional domains: a ligand-independent activation domain (AF1), a zinc finger DNA binding domain, and a ligand-dependent activation domain (AF2). HNF-4 binds to a specific DNA element as a homodimer and regulates the expression of many genes, involved in glucose, fatty acid, and cholesterol metabolisms.

SPECIFICITY:

The antibody recognizes HNF-4 from samples of mouse and rat origins. Reactivity to other species has not been determined.

APPLICATION:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Mouse small intestine and rat kidney (Cat.# 2702-100) tissue lysates can be used as positive controls.



Cat.# 3688-100
Western blot analysis of HNF-4 with mouse small intestine tissue lysate.

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