

## Anti-HNF4A Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 52 kDa. Actual: 52 kDa.
Purification:	Protein A purified

### Applications

#### 1. Sample:

BRL-3a (Rat) Cell Lysate at 30 µg

Primary: Anti-HNF4A (TMAB-00877) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

2. Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Verified Activity:

Incubation: Anti-HNF4A Polyclonal Antibody, Unconjugated (TMAB-00877) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded (Mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HNF4A) Polyclonal Antibody, Unconjugated (TMAB-00877) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

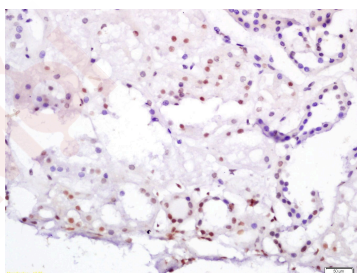
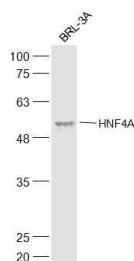
4. Sample: Hcclm3 Cell (Human) Lysate at 40 µg

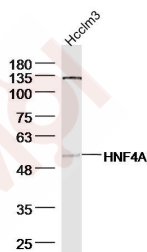
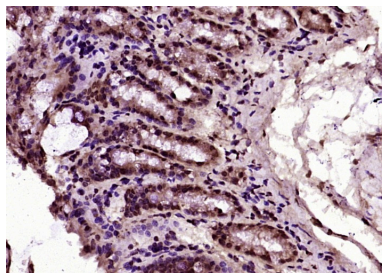
Primary: Anti-HNF4A (TMAB-00877) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human HNF4 alpha

Antigen Species: Human

Gene ID: 3172

Uniprot ID: P41235

Biology Area: Energy Metabolism,Heart disease,Diabetes,Cancer,Cytochromes,Lipid metabolism,Lipases,Cholesterol Metabolism,Energy Metabolism,Pol II Transcription,Liver development,Cytochromes,Cholesterol Metabolism,Extrinsic,Diabetes associated,Metabolism of lipids and lipoproteins

### Research Background

The protein encoded by the HNF4 gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non insulin dependent diabetes mellitus type I. At least three different transcript variants encoding three different isoforms have been found for this gene.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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