

## Anti-ANKRD22 Polyclonal Antibody

### Product Details

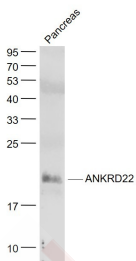
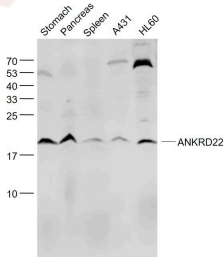
Ig Type: IgG  
Reactivity: Human, Mouse (predicted: Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)  
Molecular Weight: Theoretical: 22 kDa. Actual: 20 kDa.  
Purification: Protein A purified

### Applications

1. Sample:  
Stomach (Mouse) Lysate at 40 µg  
Pancreas (Mouse) Lysate at 40 µg  
Spleen (Mouse) Lysate at 40 µg  
A431 (Human) Cell Lysate at 30 µg  
HL60 (Human) Cell Lysate at 30 µg  
Primary: Anti-ANKRD22 (TMAB-00122) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 22 kDa  
Observed band size: 22 kDa

2. Sample:  
Pancreas (Mouse) Lysate at 40 µg  
Primary: Anti-ANKRD22 (TMAB-00122) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 22 kDa  
Observed band size: 20 kDa

Verified Activity:



Application: WB  
Recommended WB: 1:500-2000

### Properties

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

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human ANKRD22

Antigen Species: Human

Gene ID: 118932

Uniprot ID: Q5VYY1

Synonyms: Ankyrin repeat domain-containing protein 22;Ankyrin repeat domain 22;Ankrd22;ANR22

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### Research Background

Ankyrins are membrane adaptor molecules that play important roles in coupling integral membrane proteins to the spectrin-based cytoskeleton network. Mutations of ankyrin genes lead to severe genetic diseases, such as fatal cardiac arrhythmias and hereditary spherocytosis. ANKRD22 (ankyrin repeat domain 22) is a 191 amino acid protein that contains four ANK repeats. Conserved in chimpanzee, dog, cow, mouse, rat, chicken and zebrafish, ANKRD22 is encoded by a gene that maps to human chromosome 10. Chromosome 10 encodes nearly 1,200 genes within 135 million bases, making up approximately 4.5% of the human genome. Several protein-coding genes, including those that encode for chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481