

## Anti-C4orf44 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Rabbit)
Molecular Weight:	Theoretical: 32 kDa. Actual: 32 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Sample: Brain (Mouse) Lysate at 40 µg Primary: Anti-C4orf44 (TMAB-03447) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 32 kD Observed band size: 32 kD
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. 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 C4orf44
Antigen Species:	Human
Gene ID:	345222
Uniprot ID:	Q6ZTZ1

## Research Background

Representing approximately 6% of the human genome, chromosome 4 contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease. Chromosome 4 reportedly contains the largest gene deserts (regions of the genome with no protein encoding genes) and has one of the two lowest recombination frequencies of the human chromosomes. The C4orf44 gene product has been provisionally designated C4orf44 pending further characterization.

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

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