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11-12025: Polyclonal Antibody to Otx2

Clonality: Polyclonal

Application: WB Reactivity: Human OTX2 Gene: Gene ID: 5015 **Uniprot ID:** P32243 Format: Purified **Alternative Name:** OTX2 Isotype: Rabbit IgG

Immunogen Information: A partial length recombinant Otx2 protein (amino acids 1-204) was used as the immunogen for this

antibody.

Description

Otx2 encodes a transcription factor that plays a critical role in craniofacial development and anterior brain morphogenesis. Otx2 homologs in model organisms are expressed in a complex spatial, temporal, and gradient-specific manner that is required for correct antero-posterior patterning and craniofacial development. Otx2 mutations are associated with severe ocular phenotypes and central nervous system abnormalities such as seizures, short stature and developmental delay, CPHD (Combined Pituitary Hormone Deficiency), structural abnormalities of the pituitary gland and early onset retinal dystrophy.

Product Info

Amount : $25 \mu g / 100 \mu g$

Purification: Protein A Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml

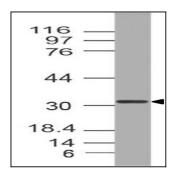


Fig-1: Expression analysis of Otx2. Anti-Otx2 antibody (11-12025) was used at 2 µg/ml on Jurkat lysate.