

## AOX1 polyclonal antibody

Catalog: BS5612

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

AOX1 (Aldehyde oxidase 1) is a 1338 amino acid cytoplasmic protein that catalyzes the oxidation of a variety of aldehydes, leading to the production of hydrogen peroxide. Under certain conditions, AOX1 can catalyze the formation of the superoxide free radical. Defects in oxygen radical metabolism have been linked to the pathogenesis of amyotrophic lateral sclerosis (ALS), an autosomal dominant neurodegenerative disorder characterized by the death of motor neurons in the spinal cord, brain and brainstem. Significantly, AOX1 is highly expressed in the ventral horn of the spinal cord and the gene that encodes AOX1 is located in a chromosomal region that is frequently found to be implicated in ALS2. This evidence suggests that AOX1 is a candidate gene for ALS2.

### Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

### Molecular Weight:

~ 148 kDa

### Swiss-Prot:

Q06278

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

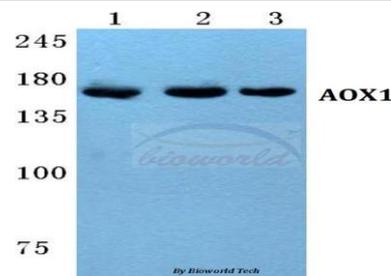
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

AOX1 polyclonal antibody detects endogenous levels of AOX1 protein.

### DATA:



Western blot (WB) analysis of AOX1 polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate

Lane2:sp2/0 cell lysate

Lane3:PC12 cell lysate

### Note:

For research use only, not for use in diagnostic procedure.

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