

AIF overexpression 293T lysate (whole cell) ab94072

画像数 2

医薬用外劇物

製品の概要

製品名	AIF overexpression 293T lysate (whole cell)
特記事項	ab94072 is a 293T cell transfected lysate in which Human AIF has been transiently over-expressed using a pCMV-AIF plasmid. The lysate is provided in 1X Sample Buffer.
アプリケーション	適用あり: WB

製品の特性

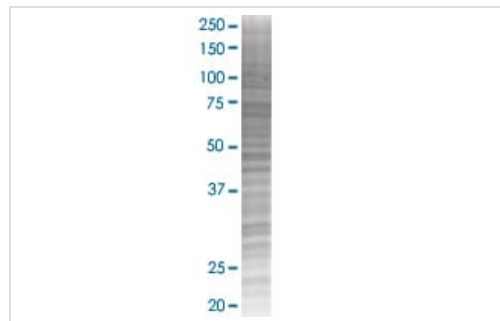
Mycoplasma free	Yes
製品の状態	Liquid
保存方法	Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
背景	<p>Function: Probable oxidoreductase that has a dual role in controlling cellular life and death; during apoptosis, it is translocated from the mitochondria to the nucleus to function as a proapoptotic factor in a caspase-independent pathway, while in normal mitochondria, it functions as an antiapoptotic factor via its oxidoreductase activity. The soluble form (AIFsol) found in the nucleus induces 'parthanatos' i.e., caspase-independent fragmentation of chromosomal DNA. Interacts with EIF3G, and thereby inhibits the EIF3 machinery and protein synthesis, and activates caspase-7 to amplify apoptosis. Plays a critical role in caspase-independent, pyknotic cell death in hydrogen peroxide-exposed cells. Binds to DNA in a sequence-independent manner. Disease: Defects in AIFM1 are the cause of combined oxidative phosphorylation deficiency type 6 (COXPD6) [MIM:300816]. It is a mitochondrial disease resulting in a neurodegenerative disorder characterized by psychomotor delay, hypotonia, areflexia, muscle weakness and wasting.</p> <p>Similarity: Belongs to the FAD-dependent oxidoreductase family. PTM: Under normal conditions, a 54-residue N-terminal segment is first proteolytically removed during or just after translocation into the mitochondrial intermembrane space (IMS) by the mitochondrial processing peptidase (MPP) to form the inner-membrane-anchored mature form (AIFmit). During apoptosis, it is further proteolytically processed at amino-acid position 101 leading to the generation of the mature form, which is confined to the mitochondrial IMS in a soluble form (AIFsol). AIFsol is released to the cytoplasm in response to specific death signals, and translocated to the nucleus, where it induces nuclear apoptosis in a caspase-independent manner.</p>

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab94072の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

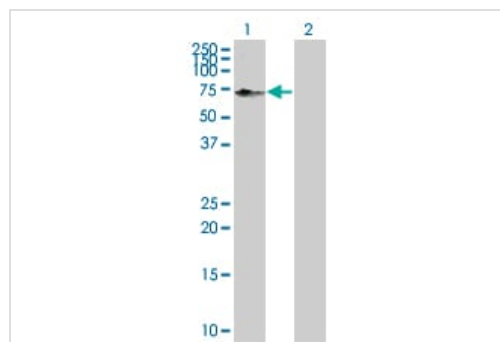
アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent dilution.

画像



SDS-PAGE - AIF overexpression 293T lysate (whole cell) (ab94072)

ab94072 at 15µg/lane on an SDS-PAGE gel.



Western blot - AIF overexpression 293T lysate (whole cell) (ab94072)

All lanes : AIF overexpression 293T lysate (whole cell) (ab94072)

Lane 1 : AIFM1 transfected lysate

Lane 2 : Non-transfected lysate.

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