ALPHA DIAGNOSTIC INTERNATIONAL

Item Name: Human Adult Thyroid Whole Tissue Lysate

Cat# HAL-1380

Size: 100 ug

Tissue type Thyroid

Source Human

Buffer: Laemmeli SDS-PAGE sample buffer (reduced containing 10mM DTT)

Store Total tissue protein lysate was prepared in Hepes buffer, pH 7.9, KCl, dexoycholate, NP-40%, EDTA, sucrose, and a cocktail of protease inhibitors. Protein was optimized and then it is mixed with 2X SDS-PAGE Laemmeli sample buffer (reduced). Lysate is typically supplied at a concentration of 2 mg/ml (or see lot specific cocn on the vial).. Store at 2-8˚C for short term use. For extended storage, freeze working aliquots at -70˚C. Repeated freezing and thawing is not recommended. Under proper storage conditions the shelf life is half a year from the date of receipt.

Recommended Usage

Western blot-Load 5-20 ug/lane for testing with various antibodies. Heat at 95oC for 2-5 minutes prior to loading on gels.

Lysate preparation

Tissue lysate was prepared by homogenization in modified RIPA buffer (150 mM sodium chloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediaminetetraacetic acid, 1 mM phenylmethylsulfonyl fluoride, 1% Triton X-100, 1% sodium deoxycholic acid, 0.1% sodium dodecylsulfate, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin. Tissue and cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The product was boiled for 5 min in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 10mM DTT.

All items are for in vitro research use only.

Related items

#90100	Western blot recycling kit
80200	Western blot Kit for Rabbit Primary Antibodies, Chemilum. Substrate
80201	Western blot Kit for Goat Primary Antibodies, Chemilum. Substrate
80202	Western blot Kit for Mouse Primary Antibodies, Chemilum. Substrate
80215	NuGlo ECL Substrate Kit for Western blot
80400-100	Bovine Serum Albumin (BSA, protease-free) for western (makes ~2-L buffer @5% BSA)
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#ACTB12-M	Mouse monoclonal anti-beta actin IgG
#G3PDH12-M	Mouse monoclonal anti-G3PDH (GAPDH)

RIPA buffer, mol wt markers, Mouse, rat and human tissue lysates and pre-made protein blots are also available.

HAL-1380 90713V

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