

## Product datasheet

# SW1353 whole cell lysate ab7915

### Overview

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**Product name** SW1353 whole cell lysate

**General notes** Cell line: SW1353 (Human humerus chondrosarcoma, fibroblast-like).  
Growth media: DMEM and 10% FBS (Fetal bovine serum).

SW1353 cell 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 flouride, 1% Triton X-100, 1% sodium deoxycholic acid, 0.1% sodium dodecylsulfate, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin). Cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol.

**Tested applications** **Suitable for:** WB

### Properties

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**Storage instructions** Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

**Storage buffer** pH: 6.80  
Constituent: 5% Beta mercaptoethanol

**Purity** Whole Cell Lysate

**Lysate notes** SW1353 cell 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 flouride, 1% Triton X-100, 1% sodium deoxycholic acid, 0.1% sodium dodecylsulfate, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin). Cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol.

**Background** The SW1353 chondrosarcoma cell line is considered to be a model for studies of the transcription factor Sox9, an important determinant of chondrocyte differentiation, including the regulation of type II collagen (Col2) and aggrecan gene expression. Cells are used to study mechanisms of joint inflammation and cartilage destruction.

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab7915** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. SW1353 cell lysate is ready to load on SDS-PAGE for Western blotting, 20 µg per lane is recommended for mini gel.

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