

## Human Caco-2 Cell Lysate

<b>Catalog No.</b>	PX311A	<b>Quantity:</b>	100 µg
<b>Description:</b>	<p>Caco-2 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 fluoride, 1% Triton X-100, 1% sodium deoxycholic acid, 0.1% sodium dodecylsulfate, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin.</p> <p>Cell debris was removed by centrifugation. Protein concentration was determined with protein assay. The Caco-2 lysate 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 5% β-mercaptoethanol.</p>		
<b>Concentration:</b>	2.0 mg/ml		
<b>Cell Line:</b>	Caco-2 (Human Colorectal Adenocarcinoma)		
<b>Source of Cell Line:</b>	Human (72 year old male) Colon Colorectal Adenocarcinoma		
<b>Cell Growth Medium:</b>	ATCC medium (Minimum essential medium (Eagle) with 2mM L-glutamine, 1.5 g/L sodium bicarbonate, 0.1 mM non-essential amino acids, 1.0 mM sodium pyruvate, and 20% FBS.)		
<b>Formulation:</b>	Liquid in 1x SDS sample buffer containing 50 mM DTT		
<b>Applications:</b>	<p><b>Centrifuge vial before use.</b> Caco-2 cell lysate is ready to load on SDS-PAGE for Western blotting. It is recommended to load 10 µg to 20 µg per lane for a mini gel. The optimal concentration should be determined by the user for each specific application.</p>		
<b>Storage &amp; Stability:</b>	Stable at 2-8°C for 6 months of continuous use. For extended storage, freeze working aliquots at -80°C for 1 year. Repeated freezing and thawing is not recommended.		
<b>Certification:</b>	This material has been tested by acceptable techniques and has been found to be negative for HBsAg, HIV 1/2, and HCV.		

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