

## ANXA1 Knockout Cell Lysate (HeLa)

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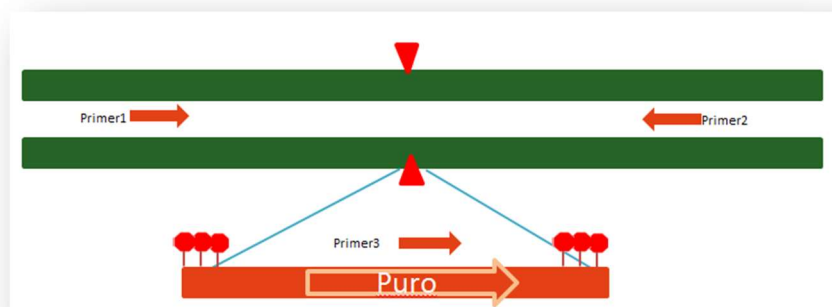
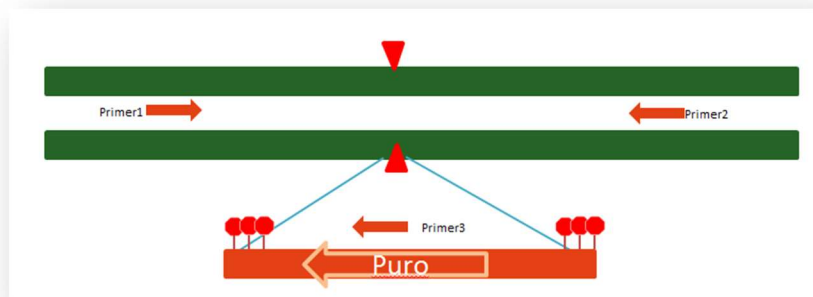
<b>Catalog #</b>	<b>LC810011</b>
<b>Product Description</b>	ANXA1 Knockout Cell Lysate, lyophilized Parental line: HeLa A vial of parental cell lysate included (Cat# LC810HeLa)
<b>Amount</b>	100ug before lyophilization
<b>Entrez Gene ID</b>	301 (NCBI)
<b>Other Names</b>	ANX1; LPC1
<b>Application</b>	WB
<b>Reconstitution</b>	To use as WB control, spin down briefly and resuspend in 20ul 2X SDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT).

### Knockout Validation

Scheme:

CRISPR engineering of the cell line creating

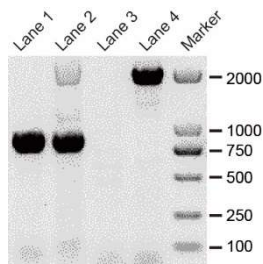
- Indel
- Insertion of the selection cassette insertion.



Genomic DNA was isolated from the KO cell line and PCR was performed using scheme above. The PCR products were analyzed by gel electrophoresis and sequencing.

**Note:** Direction of insertion is random, therefore both configurations above are possible.

PCR Result



**Gel electrophoresis results of the PCR products.**

- Lane 1: Parental cell with P1+P2.
- Lane 2: KO cell with P1+P2.
- Lane 3: KO cell with P1+P3.
- Lane 4: KO cell with P2+P3.

Allele-1,  
Sequencing result

16 bp deletion in exon 3.

```

AGGCAGCGACATCCGAGGAT-----AGGGGCTCACCGCTGATCCGGGACC
|||||
AGGCAGCGACATCCGAGGATGGATTGAAAGGTAGGATAGGGGCTCACCGCTGATCCGGGACC
  
```

Allele-2,  
Sequencing result

1 bp insertion in exon 3.

```

AGGCAGCGACATCCGAGGATGGATTGAAAGGTAGGATAGGGGCTC
|||||
AGGCAGCGACATCCGAGGATGGATTGAA-GGTAGGATAGGGGCTC
  
```

Storage Condition

Upon receiving, store the sample at -20°C. Lysate samples are stable for 12 months from date of receipt when stored at -20°C. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer and will be stable at -20°C for 3 months.

Gene Summary

This gene encodes a membrane-localized protein that binds phospholipids. This protein inhibits phospholipase A2 and has anti-inflammatory activity. Loss of function or expression of this gene has been detected in multiple tumors. [provided by RefSeq, Dec 2014].