# Kegg accession numbers

```r
library(KEGGREST)
library(tidyverse)
```

```
## -- Attaching packages ------------------------------------- tidyverse 1.3.0 --

## v ggplot2 3.3.3     v purrr   0.3.4
## v tibble  3.1.0     v dplyr   1.0.4
## v tidyr   1.1.2     v stringr 1.4.0
## v readr   1.4.0     v forcats 0.5.1

## -- Conflicts ---------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```r
epa2ko <- keggLink("ko", "epa")

epa2ko <- as.data.frame(as.matrix(epa2ko))
head(epa2ko)
```

```
##                       V1
## epa:110240792 ko:K22755
## epa:110244631 ko:K22928
## epa:110248056 ko:K24200
## epa:110231153 ko:K16487
## epa:110249049 ko:K24348
## epa:110231791 ko:K08471
```

```r
write.csv(epa2ko, "epa2ko.csv")
```

```r
library(KEGGREST)
XP2epa <- keggConv("ncbi-proteinid", "epa")

XP2epa <- as.data.frame(as.matrix(XP2epa))
head(XP2epa)
```

```
##                                      V1
## epa:110231150 ncbi-proteinid:XP_028517475
## epa:110231151 ncbi-proteinid:XP_028512481
## epa:110231152 ncbi-proteinid:XP_020891796
## epa:110231153 ncbi-proteinid:XP_028512492
## epa:110231155 ncbi-proteinid:XP_020891799
## epa:110231156 ncbi-proteinid:XP_028512482
```

```r
write.csv(XP2epa, "XP2epa.csv")
```